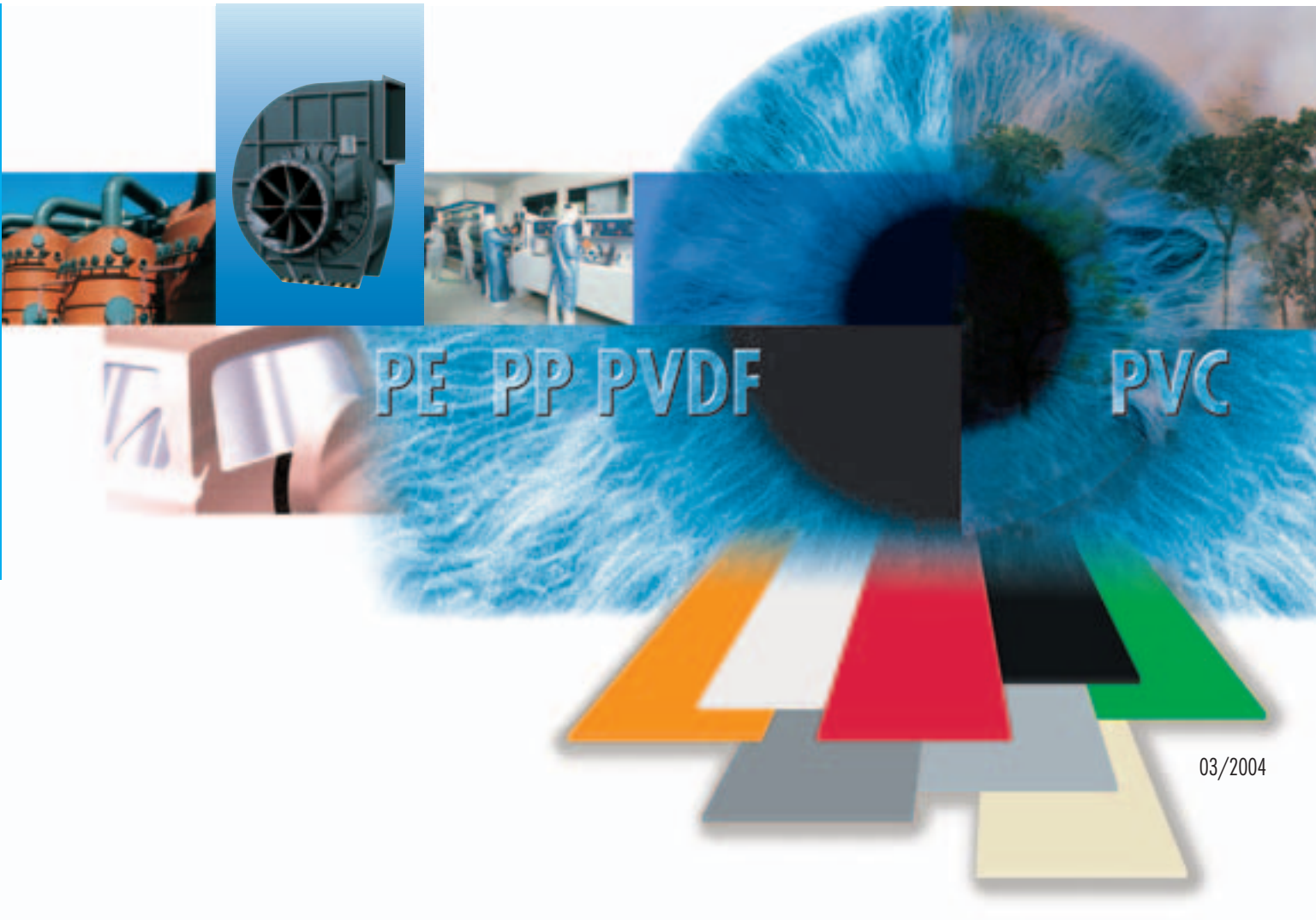


Polystone® plus Trovidur® PE, PP, PVC, PVDF

Thermoplastics Semi-finished products



03/2004

Röchling Engineering Plastics: The world-wide supplier for engineering plastics

The internationally oriented Röchling Engineering Plastics Group has achieved extremely fast growth in the last few years, and with Group sales running at more than 225 million Euro it is one of the world's leading suppliers of semi-finished and finished products made of engineering plastics.

With our range of thermoplastics and composite materials we offer made-to-measure solutions for practically all sectors of the capital goods industry. The product range stretches from semi-finished products via machined finished parts to compression moulded parts and finished, painted and assembled pultruded sections.

As wide-ranging as the product spectrum are also the production processes used: Extruding, moulding, filament winding and pultruding as well as machining the semi-finished products on the most modern CNC-controlled milling machines leave nothing to be desired.

Research and high-tech dynamic into the future

In our own laboratories and in cooperation with suppliers, scientists and institutes we develop new products and production technologies — exactly tailored to the requirements of the market.

The systematic implementation of the research results in products and capital spending is how we respond to the problems with which our customers challenge us daily. One example of this is the currently biggest press in the world for polyolefines with which Röchling Engineering Plastics is the only supplier capable of delivering sheet sizes of 6000 x 2500 mm.

In the future we shall continue to pursue our course of dynamic expansion through in-house growth as well as through strategic take-overs. As a systems producer we view ourselves as a partner for our customers. They benefit from new and innovative products derived from the know-how of a world market leader.



Thermoplastics: Röchling's product range

With Polystone® plus Tovidur® Röchling offers one of the world-wide most comprehensive product ranges to wholesalers and manufacturers involved in Civil Engineering, Chemical Tank Engineering, Construction Industry and the Advertising Industry (VisCom): Semi-finished products made of PE, PP, PVC and PVDF from a single source. – The range comprises:

- Extruded sheets with a width of up to 3.000 mm and 0,8 to 50 mm thickness
- Pressed sheets up to the Megasheet™ size 6.000 x 2.500 mm and 1 to 200 mm thickness
- Rods of up to 300 mm diameter
- Extruded square tubes and U-profiles
- Extruded welding rods with various shapes

Finished parts and extruded profiles

Also unique is the possibility to receive finished components according to your drawings machined on the latest CNC-milling machines from the manufacturer of the semi-finished product. Moreover we can offer extruded profiles in more than 200 different shapes. Please contact us – we will then provide you with all information and brochures you require.



RITA – Tank building software

As a competent supplier of semi-finished products to the Chemical Tank Engineering Industry Röchling together with the technical control board TÜV Nord developed a software programme for the calculation of tanks. "RITA – Röchling's Integrated Tank building Assistant" calculates standing, non-pressurised round and rectangular tanks with conical or sloped bottoms always taking account of the internationally recognised DVS-standards (German Welding Society). Also support nozzle diameters of up to 600 mm are possible.

Please order a cost free demo version.

Röchling helps

This brochure will help you to find through our comprehensive product range. It offers information on our production capabilities, the availability of products, all necessary data on material characteristics and technical values as well as standards and regulations.

If you have any questions our sales and technical marketing team and our Customer-Service-Center will be pleased to help you with any information required. You can also request for our brochure "Production range".

There's no limit for quality

We are constantly improving our DIN EN ISO 9001:2000 quality management system through DQS Cert audits, evaluations and corrective and preventive measures.

We are always working on improvement processes within the whole company to ensure a consistent optimum level of quality and to focus our activities on the requirements of our customers.



“Bold text” says deliverable ex stock.

We deliver all products which weights are printed bold in this brochure directly ex stock. All other products will be produced on demand.

Anything else?

This brochure shows our standard production range. If you have any additional wishes for special grades, different colours or special sizes, do not hesitate to contact us. We already delivered extruded sheets with 30 mm thickness and 3000 mm width in a length of 16 meters! Also coextruded or e.g. foamed grades are no problem.

We have to point out


All weights shown in the tables are theoretically calculated and are only for your orientation. The invoice will always take account of the actual weight. The data stated in this brochure is provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.



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Product overview

The following table describes the characteristics of the different materials and will help you with the selection for the intended application.

Material	Abbreviation	Description	Features	Typical applications	Pages
Polystone® M	PE-UHMW PE 1000	ultra-high molecular weight Polyethylene	<ul style="list-style-type: none"> – 9,2-10,5 million g/mol – very high resistance to wear and abrasion – low sliding friction coefficient, very high impact strength 	Lining-technology, chain and curve guides, materials handling, fenders in harbour construction, nuclear industry	26, 28, 30, 31, 35
Polystone® D	PE-HMW PE 500	high molecular weight Polyethylene	<ul style="list-style-type: none"> – elevated mechanical properties – good sliding and wear properties – high cutting and scratch resistance 	food industry, nuclear industry	16, 26, 28, 30
Polystone® G	PE-HD PE 300	high density Polyethylene	<ul style="list-style-type: none"> – very good welding and processing properties – good elongation at break, very well suitable for tank construction – good resistance against chemicals 	apparatus and tank construction for the chemical industry	16, 18, 19, 26, 28, 30, 34, 35, 36
Polystone® G black B	PE-HD PE 300	high density Polyethylene	<ul style="list-style-type: none"> – very good welding and processing properties – good elongation at break, very well suitable for tank construction – good chemical resistance – for tanks requiring a test certificate (supervised by the SKZ, Würzburg) – Performance class PE 80 	apparatus and tank construction for the chemical industry	16, 18, 19, 27, 28, 30, 36
Polystone® G black B 100	PE-HD PE 300	high density Polyethylene	<ul style="list-style-type: none"> – very good welding and processing properties – good elongation at break, very well suitable for tank construction – good chemical resistance – for tanks requiring a test certificate (supervised by the SKZ, Würzburg) – Performance class PE 100 	apparatus and tank construction for the chemical industry	16, 18, 19, 27, 28, 30, 36
Polystone® E	PE-LD	low density Polyethylene	<ul style="list-style-type: none"> – high elongation at break – high flexibility – high impact strength – good chemical resistance – good workability 	special applications like sealing tracks, orthopaedics technology	16
Polystone® P (Homopolymer)	PP-H	isotactic, heat stabilized polypropylene	<ul style="list-style-type: none"> – high stiffness – very good welding and processing properties – very well suited for tank and apparatus construction 	apparatus and tank construction for the chemical industry, electroplating	16, 18, 19, 27, 29, 31, 34, 35, 36
Polystone® P (Copolymer)	PP-C	isotactic, heat stabilized polypropylene (PP block copolymer)	<ul style="list-style-type: none"> – high stiffness – very good welding and processing properties – very well suited for apparatus construction, with improved tenacity especially with low temperatures 	apparatus and tank construction for the chemical industry, electroplating	17, 27, 29, 31, 35, 36
Polystone® PPs (Homopolymer)	PPs	isotactic, flame retardant polypropylene	<ul style="list-style-type: none"> – flame retardant – high stiffness – very good welding and processing properties – very well suited for apparatus construction 	air conditioning, apparatus construction	16, 18, 19
Polystone® PVDF 	PVDF	high molecular weight polymer on vinylidene fluoride basis	<ul style="list-style-type: none"> – outstanding resistance to chemicals – high temperature constancy – high strength and hardness 	tank construction and clean-room technology electroplating	16, 18, 27, 29, 31, 35, 36


Material	Description	Moulding material DIN EN ISO 1163	Features	Typical applications	Pages
Trovidur® EN PVC-U extruded	rigid PVC sheets unplasticised unfilled	PVC-U EC 082 – 05 – 33	<ul style="list-style-type: none"> – normal impact strength – high resistance to acids, lyes and salt solutions – very good electrical isolation features – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	apparatus, tanks, machinery	20, 22, 24, 37
Trovidur® EP PVC-U extruded	rigid PVC sheets unplasticised unfilled	PVC-U EC 074 – 05 – 33	<ul style="list-style-type: none"> – normal impact strength – corrosion and chemical resistance – very good electrical insulation properties – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	apparatus, tanks, machinery and plant	21, 23, 25, 37
Trovidur® ES PVC-U extruded	rigid PVC sheets unplasticised unfilled	PVC-U EC 074 – 05 – 28	<ul style="list-style-type: none"> – high impact strength – good vacuum forming features – high stability to light and weather – colour white for outside use – coloured for inside use – surface smooth and shining – good features for printing – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	advertising sector, sandwich elements, vacuum forming parts, construction of machinery and construction use	21, 23
Trovidur® ESA-D PVC-U extruded	rigid PVC sheets unplasticised with superior impact strength	PVC-U ECLP 074 – 05 – 28	<ul style="list-style-type: none"> – uniform and smooth surface for a very good colour adhesion and clear print – superior impact strength, high low temperature impact strength – high stability to light and weather – colour white for outside use – coloured for inside use – surface with a delicate satin finish – superior feature for printing – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	spezial product for silk-screen printing	21, 23, 25
Trovidur® ET PVC-U extruded	rigid PVC sheets unplasticised crystal-clear	PVC-U ET 066 – 05 – 33	<ul style="list-style-type: none"> – high permeability – low flammability, self-extinguishing after withdrawal of flame – low water absorption – good chemical resistance – very good electrical insulation properties – unproblematic manufacturing by welding, heated forming, bonding – suitable for printing 	machinery and plant	21, 23, 25, 37
Trovidur® EV PVC-U extruded	rigid PVC sheets unplasticised superior impact strength	PVC-U ECLP 074 – 05 – 28	<ul style="list-style-type: none"> – high impact strength – good vacuum forming features, very large extent of stretching on shaping at heated forming – high quality surface after forming – high stability to light and weather (colour white) – suitable for printing – unproblematic manufacturing by welding, heated forming, bonding 	thermal forming	*
Trovidur® EN-W PVC-U extruded	rigid PVC sheets unplasticised unfilled	PVC-U EC 082 – 05 – 33	<ul style="list-style-type: none"> – corresponds to the KTW recommendations for the drinking water sector – normal impact strength – very good electrical insulation properties – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	construction of tanks and plants at water-recycling plants	*
Trovidur® EN-F PVC-U extruded	rigid PVC sheets unplasticised	PVC-U ECF 082 – 05 – 33	<ul style="list-style-type: none"> – special product with flame retardant recipe – corresponds to the fire class B1 up to 8 mm thickness and M1 up to 6 mm thickness – normal impact strength – very good chemical resistance – very good electrical insulation properties – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	Applications in construction with increased flame retardant requirements	*

* further information on this material on request

continues on next page

Product overview


Material	Description	Moulding material DIN EN ISO 1163	Features	Typical applications	Pages
Trovidur® EA PVC-U extruded	rigid PVC sheets unplasticised	PVC-U ECL 082 – 05 – 33	<ul style="list-style-type: none"> – superior features for bonding and printing – high stability to light and weather (colour with) – low flammability, self-extinguishing after withdrawal of flame – good suitability for printing 	construction, sandwich elements	21, 23, 25
Trovidur® EC PVC-U extruded	rigid PVC sheets unplasticised	PVC-U ECP 074 – 05 – 28	<ul style="list-style-type: none"> – superior impact strength – unproblematic manufacturing by welding, heated forming, bonding – high polish surface 	construction of apparatus, containers, machinery and plants	21, 23, 25
Trovidur® EC-UV PVC-U extruded	rigid PVC sheets unplasticised superior impact strength	PVC-U ECLP 074 – 05 – 28	<ul style="list-style-type: none"> – high impact strength – high stability to light and weather (colour with) – unproblematic manufacturing by welding, heated forming, bonding – high polish surface 	special product	
Trovidur® EC-HI PVC-U extruded	rigid PVC sheets unplasticised superior impact strength	PVC-U ECLP 074 – 25 – 23	<ul style="list-style-type: none"> – superior impact strength, high low temperature impact strength – unproblematic manufacturing by welding, heated forming, bonding – high polish surface 	special product	
Trovidur® ESV PVC-U extruded	rigid PVC sheets unplasticised superior impact strength	PVC-U ECLP 074 – 05 – 28	<ul style="list-style-type: none"> – superior impact strength, high low temperature impact strength – high stability to light and weather (colour with) – very large extent of stretching on heated shaping – high quality surface after forming – low flammability, self-extinguishing after withdrawal of flame 	manufacture of door surfaces with reliefs	
Trovidur® NL PVC-U pressed	rigid PVC sheets unplasticised	PVC-U QC 078 – 05 – T33	<ul style="list-style-type: none"> – identified by its red colour – normal impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – high resistance to acids, lyes and salt solutions – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding – suitable for the contact with drinking water and food 	chemical tank construction	32, 33, 37
Trovidur® PN PVC-U pressed	rigid PVC sheets unplasticised	PVC-U QC 074 – 05 – T33	<ul style="list-style-type: none"> – normal impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – high resistance to acids, lyes and salt solutions – very good electrical insulation properties – low flammability, self-extinguishing after withdrawal of flame – unproblematic manufacturing by welding, heated forming, bonding 	construction of apparatus, tanks, machinery and plant	32, 33
Trovidur® PHS 15 PVC-U pressed	rigid PVC sheets unplasticised	PVC-U QCP 074 – 25 – T28	<ul style="list-style-type: none"> – superior impact strength, high low temperature impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – unproblematic manufacturing by welding, heated forming, bonding 	mechanically high stressed components	32, 33

Material	Description	Moulding material DIN EN ISO 1163	Features	Typical applications	Pages
Trovidur® PHS 25 PVC-U pressed	rigid PVC sheets unplasticised	PVC-U QCP 074 – 25 – T28	<ul style="list-style-type: none"> – superior impact strength, high low temperature impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – unproblematic manufacturing by welding, heated forming, bonding 	mechanically high stressed components	
Trovidur® PHSL 25 PVC-U pressed	rigid PVC sheets unplasticised	PVC-U QCP 074 – 25 – T23	<ul style="list-style-type: none"> – superior impact strength, high low temperature impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – unproblematic manufacturing by welding, heated forming, bonding – suitable for the contact with drinking water and food 	mechanically high stressed components	
Trovidur® PHT PVC-C pressed	post-chlorinated rigid PVC (PVC-C) unplasticised	PVC-C QC 102 – 05 – T33	<ul style="list-style-type: none"> – normal impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – high resistance to acids, lyes and salt solutions – low flammability, self-extinguishing after withdrawal of flame – continuous use temperatures of up to 90°C – unproblematic manufacturing by welding, heated forming, bonding 	chemical tank construction	32, 33, 37
Trovidur® PHT 4910 PVC-C pressed 	post-chlorinated rigid PVC sheets (PVC-C) unplasticised	PVC-C QCF 102 – 05 – T28	<ul style="list-style-type: none"> – FMRC 4910 listed – normal impact strength – uniform physical properties in all directions of the sheets, because of the manufacturing process – high resistance to acids, lyes and salt solutions – low flammability, self-extinguishing after withdrawal of flame – continuous use temperatures of up to 90°C 	clean room applications	33
Trovitex® PVC-U free foam	rigid PVC foam	PVC-U	<ul style="list-style-type: none"> – density 0,5 g/cm³ – satin, structured surface on both sides – high rigidity – resistant to light and weather (colour white) – low flammability, self-extinguishing after withdrawal of flame – suitable for vacuum forming 	advertising sector and for fair and interior works	38, 39
Trovitex® 7 PVC-U free foam	rigid PVC foam	PVC-U	<ul style="list-style-type: none"> – density 0,7 g/cm³ – satin, structured surface on both sides – high rigidity – resistant to light and weather (colour white) – low flammability, self-extinguishing after withdrawal of flame – suitable for vacuum forming 	advertising sector and for fair and interior works, vacuum forming	38, 39
Trovicel® PVC-U integral foam	integral foam	PVC-U	<ul style="list-style-type: none"> – density 0,55 g/cm³ – satin, structured surface on both sides – high rigidity – sound-deadening and heat insulating – resistant to light and weather (colour white) – suitable for the contact with drinking water and food 	advertising sector and for fair and interior works	39

Product overview

Material	Description	Moulding material DIN EN ISO 1163	Features	Typical applications	Pages
Trovidur® W 1014	PVC-plasticised	PVC-P	<ul style="list-style-type: none"> – shore hardness A about 66 – superior chemical resistance – high resistance to attrition by bouncing – very good electrical insulation properties – good suitability for bonding – suitable for welding and heated forming – naturally coloured 	manufacture of seals, sleeves, expansion joints, bases for punching, schabotte bases, baffle plattes in sandblasting units and spray walls in varnishing companies	25, 37
Trovidur® W 1590	PVC-plasticised	PVC-P	<ul style="list-style-type: none"> – shore hardness A about 73 – very good electrical insulation properties – good suitability for bonding – suitable for welding and heated forming – naturally coloured 	manufacture of seals, sleeves, expansion joints, bases for punching, schabotte bases, baffle plattes in sandblasting units and spray walls in varnishing companies	25, 37
Trovidur® W 2000	PVC-plasticised	PVC-P	<ul style="list-style-type: none"> – shore-hardness A about 85 – superior chemical resistance – improved toughness and improved abrasion resistance – very good electrical insulation properties – good suitability for bonding – suitable for welding and heated forming – colour black 	especially as a lining material for steel and concrete containers in the chemical and related industries	25, 37
Astraglas® WS	PVC-plasticised	PVC-P	<ul style="list-style-type: none"> – high transparency and permeability to light – resistant to ageing and light – high resistance to tearing and further tearing – high low temperature impact strength – high abrasion resistance – sound-deadening and heat insulating – good suitability for bonding – suitable for welding and heated forming 	manufacture of swing doors, sliding doors, folding doors, roller blind doors or lamella curtains	40
Astralon® G	acrylic glass	PMMA	<ul style="list-style-type: none"> – Layer material in various colour combinations – excellent stability to light and weather – electrically nonconductive – brilliant colours – good suitability for plastic cutting shaping – colours: multicolour covered, two- or multicoloured in any compound 	manufactured as a layer material in many colour combinations, especially recommended for high-rewing engraving machines	40

Material properties

Technical data		Test-method	Unit	Polystone®							
				M natural (PE-UHMW) PE 1000	D natural (PE-HMW) PE 500	G black (PE-HD) PE 300	G natural (PE-HD) PE 300	E natural (PE-LD)	P grey/natural PP (homop.) extr.	P grey/natural PP (cop.) extr.	
Specific gravity		DIN EN ISO 1183	g/cm ³	0,93	0,96	0,96	0,95	0,92	0,92	0,92	1,8
Molecular weight		—	10 ⁶ $\frac{g}{mol}$	9,2 – 10,5	~ 0,5	~ 0,25	~ 0,25	—	—	—	—
Mechanical properties	Tensile strength	DIN EN ISO 527-1	N/mm ²	≥ 20	28	22	23	9	33	26	55
	Breaking strength	DIN EN ISO 527-1	N/mm ²	≥ 40	36	32	32	—	—	—	—
	Elongation at break	DIN EN ISO 527-1	%	> 350	> 600	> 800	—	> 50	> 50	> 50	> 25
	Modulus of elasticity at tension	DIN EN ISO 527-1	N/mm ²	600	1.200	800	800	200	1.400	1.100	2.200
	Notched impact strength	DIN EN ISO 179-2	mJ/mm ²	o.B.	o.B.	12	12	—	6	40	20
	Impact strength with 15° V-notch	DIN EN ISO 179-2	mJ/mm ²	> 100	> 20	—	—	—	—	—	—
	Ball-thrust hardness 30 secs.	ISO 2039-1	N/mm ²	38	46	40	40	15	65	50	100
	Shore hardness D	DIN EN ISO 868/15 sec	—	61	64	63	63	45	72	69	76
Thermal properties	Wear Resistance	sand-slurry	—	80	200 – 350	450 – 550	450 – 550	—	400 – 500	400 – 500	—
	Crystalline grain melting range	DIN EN ISO 3146	°C	130 – 135	130 – 135	130 – 135	130 – 135	110 – 115	160 – 168	160 – 168	172 – 175
	Thermal conductivity	ISO 8302	$\frac{W}{m \cdot K}$	0,41	0,4	0,43	0,43	0,40	0,22	0,22	0,13
	Coefficient of linear expansion between 20 and 100 °C	DIN 53 752	K ⁻¹	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,5–2·10 ⁻⁴	1,2–1,4·10 ⁻⁴
	Vicat-softening temperature VSP/A/50	DIN EN ISO 306	°C	—	130	123	123	95	155	149	—
		VSP/B/50	DIN EN ISO 306	°C	79	78	67	67	—	90	73
Fire behaviour	UL 94	—	HB	HB	HB	HB	HB	HB	HB	VO	
Electrical properties	Insulation resistance	DIN VDE 0303-3	Ω · cm	> 10 ¹⁴	≥ 10 ¹⁴	≥ 10 ¹³	> 10 ¹⁴	> 10 ¹⁴	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹³
	Surface resistance	DIN VDE 0303-3	Ω	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁴	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁶	> 10 ¹⁶	> 10 ¹⁴
	Track resistance	IEC 60112	CTI	600	600	600	600	600	600	600	—
	Dielectric loss factor at 10 ⁶ Hz	IEC 250	—	1,9·10 ⁻⁴	< 2·10 ⁻⁴	6·10 ⁻⁴	6·10 ⁻⁴	2·10 ⁻⁴	3,5·10 ⁻⁴	3,5·10 ⁻⁴	—
	Arc resistance	VDE 0303-3	—	L4	L4	L4	L4	—	L4	L4	—

Material properties

Technical data		Test method	Unit	Trovidur® PVC rigid extruded sheets				
				EN	EP	ES	ESA-D	ESA
Mechanical properties	Density	DIN EN ISO 1183	g/cm ³	≈ 1,47	≈ 1,40	≈ 1,40	1,42	1,42
	Tensile stress at yield	DIN EN ISO 527-1	N/mm ²	≥ 55	≥ 55	≥ 48	≥ 45	≥ 45
	Breaking strength	DIN EN ISO 527-1	N/mm ²	–	–	–	–	–
	Elongation at break	DIN EN ISO 527-1	%	≥ 20	≥ 15	≥ 20	≥ 20	≥ 20
	Modulus of elasticity	DIN EN ISO 527-1	N/mm ²	≥ 3100	≥ 3000	≥ 2500	≥ 2500	≥ 2500
	Stress at 3,5% Strain	DIN EN ISO 178	N/mm ²	≥ 80	≥ 80	≥ 75	≥ 60	≥ 60
	Compression strength	ISO 3597-3	N/mm ²	≥ 78	≥ 70	≥ 65	≥ 65	≥ 65
	Impact strength no rupture	ISO 179-2	°C	0	0	–20	–20	–20
	Notch impact strength	DIN EN ISO 179-2, at 23 °C	kJ/m ²	≥ 4	≥ 4	≥ 6	≥ 8	≥ 8
	Ball thrust hardness H358/30	ISO 2039	N/mm ²	≈ 120	≈ 100	≈ 90	≈ 120	≈ 120
	Cold crack temperature	DIN EN 1876-2, sample thickness 1 mm	°C	–	–	–	–	–
	Shore hardness A	DIN EN ISO 868	–	–	–	–	–	–
	Shore hardness D	DIN EN ISO 868	–	85	82	80	–	–
Thermal properties	Welding temperature (hot gas welding)	DVS 2207/2	°C	–	–	–	–	–
	Air mass	DVS 2207/2	l/min	–	–	–	–	–
	Forming temperature (in heating cabinet)	Classification	°C	–	–	–	–	–
	Vicat softening temperature	VSP/B/50, DIN EN ISO 306	°C	≥ 80	≈ 75	≈ 72	≥ 75	≥ 75
	Heat distortion temperature	DIN EN ISO 75, Method A	°C	≈ 75	≈ 68	≈ 66	≈ 70	≈ 70
	Heat distortion temperature	DIN EN ISO 75, Method B	°C	≈ 82	–	–	≈ 74	≈ 74
Coefficient of linear expansion measured between 20 and 60°C	DIN 53 752	K ⁻¹	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	
Electrical properties	Volumeresistivity	DIN VDE 0303-3	Ω cm	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵
	Surface resistivity	DIN VDE 0303-3	Ω	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³
	Relative dielectric constant ε _r at	DIN VDE 0303-4	1 kHz	≈ 3,2	≈ 3,2	≈ 3,2	≈ 3,2	≈ 3,2
	Dielectric loss factor tan δ at	DIN VDE 0303-4	1 kHz	≈ 0,02	≈ 0,02	≈ 0,02	≈ 0,02	≈ 0,02
Other properties	Fire behavior Class	DIN 4102		B1,1–4 mm	B1,1–3 mm	B1,1–2 mm	B1,1–3 mm	B1,1–3 mm
	Water absorption	DIN EN ISO 62-3	(24 h, 100°C) mg/cm ²	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3
	Physiological indifference	2002/72/EG, 60. Recom. BfR	–	none	yes	yes	none	none
	Weather stability classification	Classification	–	good	good	very good	very good	very good
	Temperature range for application	Classification	°C	–15/+60	–15/+60	–30/+60	–30/+60	–30/+60

**Trovidur® Plasticized
PVC, extruded sheeting**

	ET	EN-W	EN-F	EC	EC-UV	EC-HI	ESV	EA	EV	W 1014	W 1590	W 2000
	≈ 1,38	≈ 1,47	≈ 1,47	≈ 1,40	≈ 1,41	≈ 1,37	≈ 1,41	≈ 1,47	≈ 1,41	≈ 1,30	≈ 1,22	≈ 1,31
	≥ 70	≥ 55	≥ 50	≥ 50	≥ 50	≥ 50	≥ 45	≥ 55	≥ 40	–	–	–
	–	–	–	–	–	–	–	–	–	≥ 12	≥ 15	≥ 20
	≥ 10	≥ 20	≥ 20	≥ 25	≥ 20	≥ 20	≥ 20	≥ 15	≥ 20	≥ 250	≥ 300	≥ 250
	≥ 3200	≥ 3000	≥ 3200	≥ 2700	≥ 2700	≥ 2700	≥ 2500	≥ 3200	≥ 2700	–	–	–
	≥ 80	≥ 80	≥ 80	–	–	–	≥ 60	–	–	–	–	–
	–	≥ 78	≥ 78	≥ 67	≥ 67	–	≥ 65	–	–	–	–	–
	23	0	0	0	–20	–20	–20	0	–20	–	–	–
	≥ 2	≥ 4	≥ 4	≥ 6	≥ 8	≥ 24	≥ 8	≥ 4	≥ 6	–	–	–
	≥ 140	≈ 120	≈ 120	≥ 110	≈ 115	≥ 90	≈ 120	≈ 110	–	–	–	–
	–	–	–	–	–	–	–	–	–	–12	–15	–15
	–	–	–	–	–	–	–	–	–	≈ 66	≈ 73	≈ 85
	≈ 130	–	–	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–	325±10	325±10	325±10
	–	–	–	–	–	–	–	–	–	50–70	50–70	50–70
	–	–	–	–	–	–	–	–	–	150	150	–
	≥ 67	≥ 80	≥ 80	≥ 75	≥ 74	≥ 74	≥ 75	≥ 80	≥ 74	–	–	–
	≈ 59	≈ 75	≈ 75	≈ 65	≥ 65	≥ 65	≈ 70	–	–	–	–	–
	≈ 62	≈ 82	≈ 82	≈ 70	≥ 70	≥ 70	≈ 74	–	–	–	–	–
	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	–	–	–
	> 10 ¹⁵	> 10 ¹⁵	≥ 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	–	–	–
	> 10 ¹³	> 10 ¹³	≥ 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	–	–	–
	≈ 3,2	≈ 3,2	≈ 3,2	–	–	–	≈ 3,2	≈ 3,2	≈ 3,2	–	–	–
	≈ 0,02	≈ 0,02	≈ 0,02	–	–	–	≈ 0,02	≈ 0,02	≈ 0,02	–	–	–
	B1,1 – 4 mm	B1,1 – 4 mm	B1,1 – 8 mm	B2	B2	B2	B1	B1,1 – 4 mm	B2	B2	B2	B2
	≤ 2	≤ 2	–	≤ 1	≤ 2	≤ 2	≤ 3	–	≤ 3	–	–	–
	none	none	none	none	none	none	none	none	none	none	none	none
	satisfactory	good	good	good	very good	good	very good	very good	very good	–	–	–
	–10/+55	–15/+60	–15/+60	–20/+60	–20/+60	–20/+60	–30/+60	–15/+60	–30/+60	0/+60	–10/+60	0/+65

continues on next page

Material properties

Technical data		Test method	Unit	Trovidur® PVC rigid, pressed sheets				
				PHS 25	PHSL 25	PHT 4910 <small>FM Spezialarten Testet</small>	PN	PHS 15
Mechanical properties	Density	DIN EN ISO 1183	g/cm ³	≈ 1,33	≈ 1,30	≈ 1,64	≈ 1,47	≈ 1,33
	Tensile stress at yield	DIN EN ISO 527-1	N/mm ²	≥ 45	≥ 40	≥ 55	≥ 56	≥ 45
	Breaking strength	DIN EN ISO 527-1	N/mm ²	–	–	–	–	–
	Elongation at break	DIN EN ISO 527-1	%	≥ 20	≥ 30	≥ 15	≥ 15	≥ 20
	Modulus of elasticity	DIN EN ISO 527-1	N/mm ²	≥ 2500	≥ 2100	≥ 2800	≥ 3000	≥ 2500
	Stress at 3,5% Strain	DIN EN ISO 178	N/mm ²	≥ 60	–	–	≥ 80	≥ 60
	Compression strength	ISO 3597-3	N/mm ²	≥ 50	–	–	≥ 70	≥ 50
	Impact strength no rupture	ISO 179-2	°C	–20	–40	0	0	–20
	Notch impact strength	DIN EN ISO 179-2, at 23 °C	kJ/m ²	≥ 20	≥ 20	≥ 3	≥ 4	≥ 10
	Ball thrust hardness H358/30	ISO 2039	N/mm ²	≥ 90	–	–	≈ 120	≥ 90
	Cold crack temperature	DIN EN 1876-2, sample thickness 1 mm	°C	–	–	–	–	–
	Shore hardness A	DIN EN ISO 868	–	–	–	–	–	–
	Shore hardness D	DIN EN ISO 868	–	–	–	–	–	–
Thermal properties	Welding temperature (hot gas welding)	DVS 2207/2	°C	–	–	–	–	–
	Air mass	DVS 2207/2	l/min	–	–	–	–	–
	Forming temperature (in heating cabinet)	Classification	°C	–	–	–	–	–
	Vicat softening temperature	VSP/B/50, DIN EN ISO 306	°C	≥ 75	≈ 75	≥ 100	≈ 75	≥ 75
	Heat distortion temperature	DIN EN ISO 75, Method A	°C	–	–	–	≈ 73	≈ 69
	Heat distortion temperature	DIN EN ISO 75, Method B	°C	–	–	–	≈ 73	≈ 73
Coefficient of linear expansion measured between 20 and 60°C	DIN 53 752	K ⁻¹	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 60 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	
Electrical properties	Volumeresistivity	DIN VDE 0303-3	Ω cm	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵	> 10 ¹⁵
	Surface resistivity	DIN VDE 0303-3	Ω	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³	> 10 ¹³
	Relative dielectric constant ε _r at	DIN VDE 0303-4	1 kHz	≈ 3,2	≈ 3,2	–	≈ 3,2	≈ 3,2
	Dielectric loss factor tan δ at	DIN VDE 0303-4	1 kHz	≈ 0,02	≈ 0,02	–	≈ 0,02	≈ 0,02
Other properties	Fire behavior Class	DIN 4102		B2	B2	B2	B2	B2
	Water absorption	DIN EN ISO 62-3	(24 h, 100°C) mg/cm ²	≤ 3	≤ 3	–	≤ 3	≤ 3
	Physiological indifference	2002/72/EG, 60. Recom. BFR		none	yes	none	none	none
	Weather stability classification	Classification		satisfactory	satisfactory	good	good	satisfactory
	Temperature range for application	Classification	°C	–40/+60	–40/+60	–15/+85	–10/+60	–20/+60


	NL	PHT
	≈ 1,40	≈ 1,64
	≥ 62	≥ 60
	-	-
	≥ 15	≥ 15
	≥ 3000	≥ 3000
	≥ 80	-
	≥ 70	-
	0	0
	≥ 2	≥ 4
	≈ 125	-
	-	-
	-	-
	-	-
	-	-
	-	-
	≈ 75	≥ 103
	≈ 69	-
	≈ 73	-
	≈ 70 x 10 ⁻⁶	≈ 60 x 10 ⁻⁶
	> 10 ¹⁵	> 10 ¹⁵
	> 10 ¹³	> 10 ¹³
	≈ 3,2	-
	≈ 0,02	-
	B1, 1 – 3 mm	B2
	≤ 3	-
	yes	none
	satisfactory	good
	-20/+60	-10/+90

Material properties

Technical data		Test method	Unit	PVC-Rigid foam sheet			
				Trovitex®	Trovitex®-7	Trovicel®	
				10 mm	19/24 mm		
Mechanical Properties	Density	DIN EN ISO 1183	g/cm ³	≈ 0,50 – 0,55	≈ 0,70	≈ 0,60	≈ 0,55
	Tensile strength	DIN EN ISO 527-1	N/mm ²	≥ 10	≥ 16	–	–
	Elongation at break	DIN EN ISO 527-1	%	≥ 15	≥ 15	–	–
	Modulus of elasticity	DIN EN ISO 527-1	N/mm ²	≈ 700	≈ 1000	≈ 1200	≈ 700
	Flexural strength	DIN EN ISO 178	N/mm ²	≥ 15	≥ 25	≥ 30	≥ 20
	Compressive Stress at 5/10 % compression	DIN ISO 2039	N/mm ²	– / ≥ 4	– / ≥ 6	≥ 4 / ≥ 5	≥ 4 / ≥ 5
	Impact strength	ISO 179	kJ/m ²	≥ 15	≥ 10	≥ 17	≥ 17
	Ball-pressure hardness H358/30	DIN EN ISO 2039	N/mm ²	≈ 8	≈ 8	≈ 25	≈ 25
	Shore-hardness D	DIN EN ISO 868	–	≈ 50	≈ 55	≈ 80	≈ 80
Thermal properties	Vicat-softening temperature	VSP/B/50, DIN EN ISO 306	°C	≥ 70	≥ 75	≥ 75	≥ 75
	Coefficient of linear expansion measured between 20 bis 60°C	DIN 53 752	K ⁻¹	≈ 66 x 10 ⁻⁶	≈ 70 x 10 ⁻⁶	≈ 75 x 10 ⁻⁶	≈ 75 x 10 ⁻⁶
	Heat transfer Coefficient	DIN EN ISO 6946	(K) W/m ² · -K	–	–	3,1	2,2/1,7
	Thermal conductivity	DIN 52 616	W/(m · K)	0,059	0,08	0,068	0,068
Electrical properties	Volumeresistivity	DIN VDE 0303-3	Ω cm	–	–	–	–
	Surface resistivity	DIN VDE 0303-3	Ω	> 10 ¹²	> 10 ¹²	> 10 ¹³	> 10 ¹³
	Relative dielectric constant ε _r at	DIN VDE 0303-4	1 kHz	–	–	–	–
	Dielectric loss factor tan δ at	DIN VDE 0303-4	1 kHz	–	–	–	–
Other properties	Fire behavior Class	DIN 4102		B1	B1	B2	B2
	Water absorption	DIN EN ISO 62-3	(7 d, 23°C) % mg/cm ²	≤ 1	≤ 1	≤ 0,2	≤ 0,2
	Physiological indifference	2002/72/EG, 60. Recom. BFR	–	none	none	yes	yes
	Weather stability classification	Classification	–	very good	very good	very good	very good
	Temperature range for application	Classification	°C	0/+55	0/+55	0/+60	0/+60

Technical Data		Test method	Unit	Astralon® G	Astraglas® WS
Mechanical Properties	Density	DIN EN ISO 1183	g/cm ³	≈ 1,17	≈ 1,28
	Tensile stress of yield	DIN EN ISO 527-1	N/mm ²	≥ 45	–
	Elongation at break	DIN EN ISO 527	N/mm ²	–	> 19
	Elongation at break	DIN EN ISO 527-1 50 mm/min	%	–	≥ 200
			%	≥ 20	–
	Modulus of elasticity	DIN EN ISO 527-1	N/mm ²	≥ 1900	45
	Tensile-impact strength	DIN EN ISO 8256	N/mm ²	≥ 130	–
	Ball-pressure hardness H358/30	ISO 2039-1	N/mm ²	≥ 100	–
	Cold-break-temperature	DIN 53 373	°C	–	–13
Shore-hardness D	ISO 868	–	–	53	
Thermal properties	Vicat-softening temperature	VSP/B/50, DIN EN ISO 306	°C	≥ 100	–
	Coefficient of linear expansion	measured between 20 at 60°C	K ⁻¹	≈ 70 x 10 ⁻⁶	≈ 170 x 10 ⁻⁶
	Water-reception	ISO 62	%	–	0,15
	Clouding through water-reception	1 – 23 – 24h – W	%	–	16
	Refractive index	DIN EN ISO 498	n ₀ 20	–	1,529
	Wathering resistance Y1 after 2000h exposure	ASTM G-53-77	%	–	35
	Wathering, resistance clouding 2000h exposure	ASTM G-53-77	%	–	13
	Thermal conductivity at 20 °C	VDE 0304 Section 1	W/(m·K)	≈ 0,19	–
Electrical properties	Volumeresistivity	DIN VDE 0303-3	Ω cm	≥ 10 ¹⁵	–
	Surface resistivity	DIN VDE 0303-3	Ω	≥ 10 ¹⁵	–
	Relative dielectric constant ε _r at	DIN VDE 0303-4	10 ⁻⁶ Hz	≈ 2,7	–
	Dielectric loss factor tan δ at	DIN VDE 0303-4	10 ⁻⁶ Hz	≈ 0,034	–
Other properties	Fire behavior Class	DIN 4102	–	B2	–
	Weather stability	Classification	–	excellent	–
	Temperature range for application	Classification	°C	–20/+80	–

Sheets, extruded

Polystone®				D	G-HD			G-black B ¹⁾	G-black B 100 ¹⁾	E	P (Homopolymer)		PPs ²⁾	PVDF 	-SK ³⁾
				PE-HMW PE 500	PE-HD PE 300			PE-HD/ PE 80	PE 300 PE 100	PE-LD	PP-H		PP	PVDF	PVDF
Standard size	Thick- ness	Tolerances on thickness	Sheets	natural	black	natural	black	black	natural	grey-RAL 7032	natural	grey-RAL 7037	natural	natural	natural
mm	mm	mm	Palett unit	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet
2000 x 1000	1	± 0,1	200	1,9	1,9	1,9	1,9	1,9	1,8	1,8	1,8	–	3,6	–	–
	2	± 0,15	150	3,8	3,8	3,8	3,8	3,8	3,7	3,7	3,7	–	7,2	8,3	–
	3		100	5,8	5,8	5,8	5,8	5,8	5,5	5,5	5,5	5,7	10,8	11,9	–
	4	± 0,2	75	7,7	7,7	7,7	7,7	7,7	7,4	7,4	7,4	7,6	14,4	15,5	–
	5	± 0,25	75	9,6	9,6	9,6	9,6	9,6	9,2	9,2	9,2	9,5	18,0	19,1	–
	6		75	11,5	11,5	11,5	11,5	11,5	11,0	11,0	11,0	11,4	21,6	22,7	–
	8	± 0,3	60	15,4	15,4	15,4	15,4	15,4	14,7	14,7	14,7	15,2	28,8	–	–
	10	± 0,4	60	19,2	19,2	19,2	19,2	19,2	18,4	18,4	18,4	19,0	36,0	–	–
	12	± 0,45	40	23,0	23,0	23,0	23,0	23,0	–	22,1	22,1	22,8	43,2	–	–
	15	± 0,55	40	28,8	28,8	28,8	28,8	28,8	–	27,6	27,6	28,5	54,0	–	–
	20	± 0,7	30	–	38,4	38,4	38,4	38,4	–	36,8	36,8	38,0	–	–	–
	25	± 0,8	20	–	48,0	48,0	48,0	48,0	–	46,0	46,0	47,5	–	–	–
	30	± 1,0	20	–	57,6	57,6	57,6	57,6	–	55,2	55,2	–	–	–	–
	35	± 1,15	15	–	67,2	67,2	67,2	67,2	–	64,4	64,4	–	–	–	–
	40	± 1,3	10	–	76,8	76,8	76,8	76,8	–	73,6	73,6	–	–	–	–
50	± 1,55	10	–	96,0	96,0	96,0	96,0	–	92,0	92,0	–	–	–	–	

On request:

- on rolls
- embossed surface finish
- extruded surface finish – one side/both side
- special colours
- special sheet size
- co-extruded sheets
- marked

G (PE-HD)

- G-fleece-backed/stretch backed
- G-black-EL – electrical conductive
- GV-natural and GV-coloured – special vacuum forming grade
- G-natural-UV – with special UV-resistance

P (PP)

- PP-foamed
- PP-EL – electrical conductive

¹⁾ For vessels requiring a test certificate (controlled by SKZ, Würzburg)

²⁾ FR grade

³⁾ fabric backed

Polystone®				P (Copolymer)			
				PP-C			
Standard size mm	Thick- ness mm	Tolerances on thickness mm	Sheets Palett unit	grey-RAL 7032 kg sheet	black kg sheet	natural kg sheet	white kg sheet
2440 x 1220	1	± 0,1	360	2,74	2,74	2,74	2,74
	1,5		300	4,11	4,11	4,11	4,11
	2	± 0,15	240	5,48	5,48	5,48	5,48
	3		120	8,22	8,22	8,22	8,22
	4,5	± 0,2	80	12,32	12,32	12,32	12,32
	6	± 0,25	60	16,43	16,43	16,43	16,43
	9	± 0,35	40	24,65	24,65	24,65	24,65
	12	± 0,45	30	32,86	32,86	32,86	32,86
	15	± 0,55	25	41,08	41,08	41,08	41,08
	20	± 0,7	20	54,77	54,77	54,77	54,77
25	± 0,8	15	68,47	68,47	68,47	68,47	

Extruded Polystone® P Copolymer sheet are also available in other formats.

Sheets, extruded

Polystone®				G-HD		G-HD-SK ³⁾	G-black B ¹⁾	G-black B 100 ¹⁾	P ⁶⁾ (Homopolymer)		P-SK ³⁾	PPs ²⁾	PVDF <small>FIM Special Film Tested</small>	-SK ³⁾	-GK ⁴⁾
				PE-HD PE 300		PE-HD PE 300	PE-HD/ PE 80	PE 300 PE 100	PP-H		PP-H	PP-H	PVDF	PVDF	PVDF
Standard size	Thick- ness	Tolerances on thickness	Sheets ⁵⁾	black	natural	black	black	black	grey	natural	grey	grey-RAL 7037	natural	natural	natural
mm	mm	mm	Palett unit	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet
3000 x 1500	1	± 0,1	150	4,3	4,3	–	4,3	4,3	4,1	4,1	–	–	–	–	–
	2	± 0,15	75	8,6	8,6	–	8,6	8,6	8,3	8,3	–	–	–	–	–
	3		50	13,0	13,0	14,8	13,0	13,0	12,4	12,4	14,2	12,8	24,3	26,8*	28,8
	4	± 0,2	50	17,3	17,3	19,1	17,3	17,3	16,6	16,6	18,4	17,1	32,4	34,9	36,9
	5	± 0,25	50	21,6	21,6	23,4	21,6	21,6	20,7	20,7	22,5	21,4	40,5	43,0	45,0
	6		50	25,9	25,9	27,7	25,9	25,9	24,8	24,8	26,6	25,7	48,6	51,1	53,1
	8	± 0,3	40	34,6	34,6	36,4	34,6	34,6	33,1	33,1	34,9	34,2	–	–	–
	10	± 0,4	30	43,2	43,2	–	43,2	43,2	41,4	41,4	–	42,8	–	–	–
	12	± 0,45	25	51,8	51,8	–	51,8	51,8	49,7	49,7	–	51,3	–	–	–
	15	± 0,55	20	64,8	64,8	–	64,8	64,8	62,1	62,1	–	64,1	–	–	–
	20	± 0,7	15	86,4	86,4	–	86,4	86,4	82,8	82,8	–	85,5	–	–	–
	25	± 0,8	10	108,0	108,0	–	108,0	108,0	103,5	103,5	–	–	–	–	–
	30	± 1,0	10	129,6	129,6	–	129,6	129,6	124,2	124,2	–	–	–	–	–

On request:

- on rolls
- embossed surface finish
- texturated surface finish – one side/both side
- special colours
- special sheet size
- co-extruded sheets
- marked

G (PE-HD)

- G-fleece-backed/stretch backed
- G-black-EL – electrical conductive
- GV-natural and GV-coloured – special vacuum forming grade
- G-natural-UV – with special UV-resistance

P (PP)

- PP-foamed
- PP-EL – electrical conductive

¹⁾ For vessels requiring a test certificate (controlled by SKZ, Würzburg)

²⁾ FR grade

³⁾ fabric backed

⁴⁾ backed with glass fabric

⁵⁾ not valid for PVDF

⁶⁾ generally covered with PE-film on one side beginning with 12 mm thickness

* delivery in coils of 20 m length available ex stock

Polystone®				G-HD		G-black B ¹⁾	G-black B 100 ¹⁾	P (Homopolymer)		PPs ²⁾
				PE-HD PE 300		PE-HD/PE 300 PE 80 PE 100		PP-H		PP-H
Standard size mm	Thick- ness mm	Tolerances on thickness mm	Sheets Palett unit	black	natural	black	black	grey	natural	grey-RAL 7037
				kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet	kg sheet
4000 x 2000	3	± 0,15	50	23,0	23,0	23,0	23,0	22,1	22,1	22,8
	4	± 0,2	40	30,7	30,7	30,7	30,7	29,4	29,4	30,4
	5	± 0,25	40	38,4	38,4	38,4	38,4	36,8	36,8	38,0
	6		25	46,1	46,1	46,1	46,1	44,2	44,2	45,6
	8	± 0,3	20	61,4	61,4	61,4	61,4	58,9	58,9	60,8
	10	± 0,4	15	76,8	76,8	76,8	76,8	73,6	73,6	76,0
	12	± 0,45	10	92,2	92,2	92,2	92,2	88,3	88,3	91,2
	15	± 0,55	10	115,2	115,2	115,2	115,2	110,4	110,4	114,0
	20	± 0,7	10	153,6	153,6	153,6	153,6	147,2	147,2	152,0
	25	± 0,8	5	192,0	192,0	192,0	192,0	184,0	184,0	–
	30	± 1,0	5	230,4	230,4	230,4	230,4	220,8	220,8	–
	40	± 1,3	5	307,2	307,2	307,2	307,2	294,4	294,4	–
50	± 1,55	3	384,0	384,0	384,0	384,0	368,0	368,0	–	

Sheets, extruded

Trovidur® Rigid PVC				EN										
				PVC-U										
Standard size mm	Thick- ness mm	Tolerances on thickness mm	Sheets Palett unit	grey 7011 kg sheet	grey 231 kg sheet	grey 6701 kg sheet	grey 6702 kg sheet	red 250 kg sheet	orange 2003 kg sheet	green 6011 kg sheet	white 182 kg sheet	ivory 195 kg sheet	black 712 kg sheet	
2000 x 1000	1	± 0,110	300	2,94	2,94	2,94	2,94	2,94	2,94	2,94	2,94	2,94	2,94	
	1,5	± 0,125	200	4,41	4,41	4,41	4,41	4,41	4,41	4,41	4,41	4,41	4,41 ¹⁾	
	2	± 0,140	150	5,88	5,88	5,88	5,88	5,88	5,88	5,88	5,88	5,88 ¹⁾	5,88	
	2,5	± 0,155	125	7,35	7,35	7,35	7,35	7,35	7,35	7,35	7,35	7,35	7,35	
	3	± 0,170	100	8,82	8,82	8,82	8,82	8,82	8,82 ¹⁾	8,82	8,82	8,82 ¹⁾	8,82	
	4	± 0,200	75	11,76	11,76	11,76	11,76	11,76	11,76	11,76	11,76	11,76	11,76 ¹⁾	11,76
	4,5	± 0,215	68	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23
	5	± 0,230	60	14,70	14,70	14,70	14,70	14,70	14,70	14,70	14,70	14,70	14,70 ¹⁾	14,70
	6	± 0,260	50	17,64	17,64	17,64	17,64	17,64	17,64	17,64	17,64	17,64	17,64 ¹⁾	17,64
	7	± 0,290	45	20,58	20,58	20,58	20,58	20,58	20,58	20,58	20,58	20,58	20,58 ¹⁾	20,58
	8	± 0,320	40	23,52	23,52	23,52	23,52	23,52	23,52	23,52	23,52	23,52	23,52 ¹⁾	23,52
	9	± 0,350		26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46
	10	± 0,380	30	29,40	29,40	29,40	29,40	29,40	29,40	29,40	29,40	29,40	29,40 ¹⁾	29,40
	12	± 0,440	25	35,28	35,28	35,28	35,28	35,28	35,28	35,28	35,28	35,28	35,28 ¹⁾	35,28
	15	± 0,530	20	44,10	44,10	44,10	44,10	44,10	44,10	44,10	44,10	44,10	44,10 ¹⁾	44,10
	20	± 0,680	15	58,80	58,80	58,80	58,80	58,80	58,80	58,80	58,80	58,80	58,80 ¹⁾	58,80
	25	± 0,830	12	73,50	73,50	73,50	73,50	73,50	73,50	73,50	73,50	73,50	73,50	73,50
30	± 0,980	10	88,20	88,20	88,20	88,20	88,20	88,20	88,20	88,20	88,20	88,20 ¹⁾	88,20	
35	± 1,130	8	102,90	102,90	102,90	102,90	102,90	102,90	102,90	102,90	102,90	102,90	102,90	
40	± 1,280	7	117,60	117,60	117,60	117,60	117,60	117,60	117,60	117,60	117,60	117,60	117,60	
45	± 1,430		132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30	
50	± 1,580	6	147,00	147,00	147,00	147,00	147,00	147,00	147,00	147,00	147,00	147,00	147,00	

continues on page 22

¹⁾ PE-film on one side
²⁾ PE-film on both sides
³⁾ UV stabilized

	EP	EC			ES ¹⁾		ESA-D ¹⁾		ET ²⁾	EA ¹⁾
	PVC-U	PVC-U			PVC-U		PVC-U		PVC-U	PVC-U
	grey 7011 kg sheet	white ³⁾ 2070 kg sheet	grey HI 7032 kg sheet	grey 7011 kg sheet	grey 6705 kg sheet	black 1938 kg sheet	white 2060 kg sheet	black 712 kg sheet	trans- parent kg sheet	white kg sheet
	2,80	2,82	2,74	2,80	2,80	2,80	2,84	2,84	2,86	2,94
	4,20	4,23	4,11	4,20	4,20	4,20	4,26	4,26	4,17	4,41
	5,60	5,64	5,48	5,60	5,60	5,60	5,68	5,68	5,56	5,88
	–	–	–	–	–	–	7,10	7,10	–	7,35
	8,40	8,46	8,22	8,40	8,40	8,40	8,52	8,52	8,34	8,82
	11,20	11,28	10,96	11,20	11,20	11,20	11,36	11,36	11,12	11,76
	–	–	–	–	–	–	12,78	12,78	–	–
	14,00	14,10	13,70	14,00	14,00	14,00	14,20	14,20	13,90	–
	16,80	16,92	16,44	16,80	16,80	16,80	17,04	17,04	16,68	–
	19,60	19,74	19,18	19,60	–	–	–	–	19,46	–
	22,40	22,56	21,92	22,40	22,40	22,40	–	–	22,24	–
	25,20	25,38	24,66	25,20	–	–	–	–	–	–
	28,00	28,20	27,40	28,00	28,00	28,00	–	–	27,80	–
	33,60	33,84	32,88	33,60	–	–	–	–	33,36	–
	42,00	42,30	41,10	42,00	–	–	–	–	41,70	–
	56,00	56,40	54,80	56,00	–	–	–	–	–	–
	70,00	70,50	68,50	70,00	–	–	–	–	–	–
	84,00	84,60	82,20	84,00	–	–	–	–	–	–
	98,00	98,70	95,90	98,00	–	–	–	–	–	–
	112,00	112,80	109,60	112,00	–	–	–	–	–	–
	126,00	126,90	123,30	126,00	–	–	–	–	–	–
	140,00	141,00	137,00	140,00	–	–	–	–	–	–

Sheets, extruded

Trovidur® Rigid PVC				EN										
				PVC-U										
Standard size mm	Thick- ness mm	Tolerances on thickness mm	Sheets Palett unit	grey 7011 kg sheet	grey 231 kg sheet	grey 6701 kg sheet	grey 6702 kg sheet	red 250 kg sheet	orange 2003 kg sheet	green 6011 kg sheet	white 182 kg sheet	ivory 195 kg sheet	black 712 kg sheet	
3000 x 1500	1	± 0,110		6,62	6,62	6,62	6,62	6,62	6,62	6,62	6,62	6,62	6,62	
	1,5	± 0,125	80	–	–	–	–	–	–	–	–	–	–	
	2	± 0,140	80	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23	13,23 ¹⁾	13,23
			70	–	–	–	–	–	–	–	–	–	–	
	2,5	± 0,155		–	–	–	–	–	–	–	–	–	–	
	3	± 0,170	50	19,85	19,85	19,85	19,85	19,85	19,85	19,85	19,85	19,85	19,85 ¹⁾	19,85
			45	–	–	–	–	–	–	–	–	–	–	–
	4	± 0,200	38	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46	26,46 ¹⁾	26,46
			35	–	–	–	–	–	–	–	–	–	–	–
	4,5	± 0,215		–	–	–	–	–	–	–	–	–	–	–
	5	± 0,230	31	33,08	33,08	33,08	33,08	33,08	33,08	33,08	33,08	33,08	33,08 ¹⁾	33,08
			25	–	–	–	–	–	–	–	–	–	–	–
	6	± 0,260	26	39,69	39,69	39,69	39,69	39,69	39,69	39,69	39,69	39,69	39,69 ¹⁾	39,69
			20	–	–	–	–	–	–	–	–	–	–	–
	7	± 0,290	22	46,31	46,31	46,31	46,31	46,31	46,31	46,31	46,31	46,31	46,31 ¹⁾	46,31
				–	–	–	–	–	–	–	–	–	–	–
	8	± 0,320	19	52,92	52,92	52,92	52,92	52,92	52,92	52,92	52,92	52,92	52,92	52,92
			15	–	–	–	–	–	–	–	–	–	–	–
	9	± 0,350		59,54	59,54	59,54	59,54	59,54	59,54	59,54	59,54	59,54	59,54	59,54
	10	± 0,380	16	66,15	66,15	66,15	66,15	66,15	66,15	66,15	66,15	66,15	66,15 ¹⁾	66,15
12			–	–	–	–	–	–	–	–	–	–	–	
12	± 0,440		79,38	79,38	79,38	79,38	79,38	79,38	79,38	79,38	79,38	79,38	79,38	
15	± 0,530		99,23	99,23	99,23	99,23	99,23	99,23	99,23	99,23	99,23	99,23 ¹⁾	99,23	
20	± 0,680		132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30	132,30 ¹⁾	132,30 ¹⁾	132,30	
25	± 0,830		165,38	165,38	165,38	165,38	165,38	165,38	165,38	165,38	165,38 ¹⁾	165,38 ¹⁾	165,38	
30	± 0,980		198,45	198,45	198,45	198,45	198,45	198,45	198,45	198,45	198,45	198,45	198,45	
35	± 1,130		231,53	231,53	231,53	231,53	231,53	231,53	231,53	231,53	231,53	231,53	231,53	
40	± 1,280		264,60	264,60	264,60	264,60	264,60	264,60	264,60	264,60	264,60	264,60	264,60	
45	± 1,430		297,68	297,68	297,68	297,68	297,68	297,68	297,68	297,68	297,68	297,68	297,68	
50	± 1,580		330,75	330,75	330,75	330,75	330,75	330,75	330,75	330,75	330,75	330,75	330,75	

continues on page 24

¹⁾ PE-film on one side
²⁾ PE-film on both sides
³⁾ UV stabilized

	EP	EC			ES ¹⁾		ESA-D ¹⁾		ET ²⁾	EA ¹⁾
	PVC-U	PVC-U			PVC-U		PVC-U		PVC-U	PVC-U
	grey 7011 kg sheet	white ³⁾ 2070 kg sheet	grey HI 7032 kg sheet	grey 7011 kg sheet	grey 6705 kg sheet	black 1938 kg sheet	white 2060 kg sheet	black 712 kg sheet	trans- parent kg sheet	white kg sheet
	6,30	6,35	6,17	6,30	6,30	6,30	6,39	6,39	6,44	6,62
	–	–	–	–	–	–	9,59	9,59	–	–
	–	–	–	–	–	–	–	–	–	9,92
	12,60	12,69	12,33	12,60	–	–	12,78	12,78	12,51	13,23
	–	–	–	–	12,60	12,60	–	–	–	–
	–	–	–	–	–	–	15,98	15,98	–	16,54
	18,90	19,4	18,50	18,90	–	–	19,17	19,17	18,77	19,85
	–	–	–	–	18,90	18,90	–	–	–	–
	25,20	25,38	24,66	25,20	–	–	25,56	25,56	25,02	26,46
	–	–	–	–	25,20	25,20	–	–	–	–
	–	–	–	–	–	–	28,76	28,76	–	–
	31,50	31,73	30,83	31,50	–	–	31,95	31,95	31,28	–
	–	–	–	–	31,50	31,50	–	–	–	–
	37,80	38,07	36,99	37,80	–	–	38,34	38,34	37,53	–
	–	–	–	–	37,80	37,80	–	–	–	–
	44,10	44,42	43,16	44,10	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	43,79	–
	50,40	50,76	49,32	50,40	–	–	–	–	50,04	–
	–	–	–	–	50,40	50,40	–	–	–	–
	56,70	57,11	55,49	56,70	–	–	–	–	–	–
	63,00	63,45	61,65	63,00	–	–	–	–	62,55	–
	–	–	–	–	63,00	63,00	–	–	–	–
	75,60	76,14	73,98	75,60	–	–	–	–	75,06	–
	94,50	95,18	92,48	94,50	–	–	–	–	93,83	–
	126,00	126,90	123,30	126,00	–	–	–	–	–	–
	157,50	158,63	154,13	157,50	–	–	–	–	–	–
	189,00	190,35	184,95	189,00	–	–	–	–	–	–
	220,50	222,08	215,78	220,50	–	–	–	–	–	–
	252,00	253,80	246,60	252,00	–	–	–	–	–	–
	283,50	285,53	277,43	283,50	–	–	–	–	–	–
	315,00	317,25	308,25	315,00	–	–	–	–	–	–

Sheets, extruded

Trovidur® Rigid PVC				EN										
				PVC-U										
Standard size mm	Thick- ness mm	Tolerances on thickness mm	Sheets Palett unit	grey 7011 kg sheet	grey 231 kg sheet	grey 6701 kg sheet	grey 6702 kg sheet	red 250 kg sheet	orange 2003 kg sheet	green 6011 kg sheet	white 182 kg sheet	ivory 195 kg sheet	black 712 kg sheet	
2440 x 1220	1	± 0,110		4,38	4,38	4,38	4,38	4,38	4,38	4,38	4,38¹⁾	4,38	4,38	
	1,5	± 0,125	160	6,56	6,56	6,56	6,56	6,56	6,56	6,56	6,56²⁾	6,56	6,56 ¹⁾	
	2	± 0,140	100	8,75	8,75	8,75	8,75	8,75	8,75	8,75	8,75	8,75 ²⁾	8,75	8,75
			120	–	–	–	–	–	–	–	–	–	–	–
	2,5	± 0,155	90	10,94	10,94	10,94	10,94	10,94	10,94	10,94	10,94	10,94	10,94	
	3	± 0,170	80	13,13	13,13	13,13	13,13	13,13	13,13¹⁾	13,13	13,13²⁾	13,13	13,13 ¹⁾	
	4	± 0,200	60	17,50	17,50	17,50	17,50	17,50	17,50	17,50	17,50	17,50	17,50	
	4,5	± 0,215	60	19,69	19,69	19,69	19,69	19,69	19,69	19,69	19,69²⁾	19,69	19,69	
	5	± 0,230		21,88	21,88	21,88	21,88	21,88	21,88	21,88	21,88	21,88	21,88	21,88
			45	–	–	–	–	–	–	–	–	–	–	–
	6	± 0,260	40	26,26	26,26	26,26	26,26	26,26	26,26	26,26	26,26	26,26²⁾	26,26	26,26 ¹⁾
	7	± 0,290		30,63	30,63	30,63	30,63	30,63	30,63	30,63	30,63	30,63	30,63	30,63
	8	± 0,320	36	35,01	35,01	35,01	35,01	35,01	35,01	35,01	35,01	35,01	35,01	35,01
	9	± 0,350	30	39,38	39,38	39,38	39,38	39,38	39,38	39,38	39,38	39,38²⁾	39,38	39,38
	10	± 0,380		43,76	43,76	43,76	43,76	43,76	43,76	43,76	43,76	43,76	43,76	43,76
			20	–	–	–	–	–	–	–	–	–	–	–
	12	± 0,440		52,51	52,51	52,51	52,51	52,51	52,51	52,51	52,51	52,51²⁾	52,51	52,51
	15	± 0,530	16	65,64	65,64	65,64	65,64	65,64	65,64	65,64	65,64	65,64	65,64	65,64
	18	± 0,620	13	78,77	78,77	78,77	78,77	78,77	78,77	78,77	78,77	78,77	78,77	78,77 ¹⁾
	20	± 0,680	12	87,52	87,52	87,52	87,52	87,52	87,52	87,52	87,52	87,52	87,52	87,52
25	± 0,830	10	109,40	109,40	109,40	109,40	109,40	109,40	109,40	109,40	109,40	109,40	109,40	
30	± 0,980	8	131,28	131,28	131,28	131,28	131,28	131,28	131,28	131,28	131,28	131,28	131,28	
35	± 1,130		153,16	153,16	153,16	153,16	153,16	153,16	153,16	153,16	153,16	153,16	153,16	
40	± 1,280		175,04	175,04	175,04	175,04	175,04	175,04	175,04	175,04	175,04	175,04	175,04	
45	± 1,430		196,92	196,92	196,92	196,92	196,92	196,92	196,92	196,92	196,92	196,92	196,92	
50	± 1,580		218,79	218,79	218,79	218,79	218,79	218,79	218,79	218,79	218,79	218,79	218,79	

¹⁾ PE-film on one side

²⁾ PE-film on both sides

³⁾ UV stabilized

Extruded sheeting

	EP	EC			ESA-D ¹⁾		ET ²⁾	EA ¹⁾
	PVC-U	PVC-U			PVC-U		PVC-U	PVC-U
	grey 7011 kg sheet	white ³⁾ 2070 kg sheet	grey HI 7032 kg sheet	grey 7011 kg sheet	white 2060 kg sheet	black 712 kg sheet	trans- parent kg sheet	white kg sheet
	4,17	4,20	4,08	4,17	4,23	4,23	4,26	4,38
	6,25	6,30	6,12	6,25	6,34	6,34	6,21	6,56
	8,34	8,39	8,16	8,34	8,45	8,45	–	8,75
	–	–	–	–	–	–	8,28	–
	10,42	10,49	10,20	10,42	10,57	10,57	–	10,94
	12,50	12,59	12,23	12,50	12,68	12,68	12,41	13,13
	16,67	16,79	16,31	16,67	16,91	16,91	16,55	17,50
	18,75	18,89	18,35	18,75	19,02	19,02	18,62	–
	20,84	20,99	20,39	20,84	21,14	21,14	–	–
	–	–	–	–	–	–	20,69	–
	25,01	25,18	24,47	25,01	25,36	25,36	24,83	–
	29,17	29,38	28,55	29,17	–	–	28,96	–
	33,34	33,58	32,63	33,34	–	–	33,10	–
	37,51	37,78	36,70	37,51	–	–	–	–
	41,68	41,97	40,78	41,68	–	–	–	–
	–	–	–	–	–	–	41,38	–
	50,01	50,37	48,94	50,01	–	–	49,65	–
	62,51	62,96	61,17	62,51	–	–	62,07	–
	75,02	75,55	73,41	75,02	–	–	–	–
	83,35	83,95	81,56	83,35	–	–	–	–
	104,19	104,93	101,96	104,19	–	–	–	–
	125,03	125,92	122,35	125,03	–	–	–	–
	145,86	146,91	142,74	145,86	–	–	–	–
	166,70	167,89	163,13	166,70	–	–	–	–
	187,54	188,88	183,52	187,54	–	–	–	–
	208,38	209,86	203,91	208,38	–	–	–	–

Trovidur® Plasticized PVC			W		
			PVC-P		
Standard size mm	Thick- ness mm	Toleran- ces on thickness mm	natural W 1014	natural W 1590	black W 2000
1000 – 1030	2	± 0,20	●	○	○
	3	± 0,30	●	●	○
	4	± 0,40	●	●	○
	5	± 0,50	●	●	○
	6	± 0,60	○	●	○
	8	± 0,80	●	○	○
1220	10	± 1,00	●	○	○
	2,3	± 0,25	○	○	●
1450	4,6	± 0,45	○	○	●
	3	± 0,30	○	○	●

- available ex stock
- delivery at short notice

Sheets, pressed

Polystone®				M ¹⁾			D ¹⁾					G-HD
				PE-UHMW PE 1000			PE-HMW PE 500					PE-HD PE 300
Standard size mm	Thick- ness mm	Tolerances on thickness		natural	black	green	natural	black	red	yellow	blue	natural
		platen finish mm	planed mm	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
2000 x 1000	8	-0/+2	± 0,2	15,4	15,4	15,4	15,4	15,4	15,4	15,4	15,4	15,4
	10			19,2	19,2	19,2	19,2	19,2	19,2	19,2	19,2	19,2
	12			23,0	23,0	23,0	23,0	23,0	23,0	23,0	23,0	23,0
	15			28,8	28,8	28,8	28,8	28,8	28,8	28,8	28,8	28,8
	20			38,4	38,4	38,4	38,4	38,4	38,4	38,4	38,4	38,4
	25			48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0	48,0
	30	-0/+3	± 0,2	57,6	57,6	57,6	57,6	57,6	57,6	57,6	57,6	57,6
	35			67,2	67,2	67,2	67,2	67,2	67,2	67,2	67,2	
	40			76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8	
	50			96,0	96,0	96,0	96,0	96,0	96,0	96,0	96,0	
	60	-0/+4	± 0,3	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2
	70			134,4	134,4	134,4	134,4	134,4	134,4	134,4	134,4	
	80			153,6	153,6	153,6	153,6	153,6	153,6	153,6	153,6	
	90			172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8	
	100			192,0	192,0	192,0	192,0	192,0	192,0	192,0	192,0	
	110	-0/+10	± 0,4	211,2	211,2	211,2	211,2	211,2	211,2	211,2	211,2	211,2
	120			230,4	230,4	230,4	230,4	230,4	230,4	230,4	230,4	
	130			249,6	249,6	249,6	249,6	249,6	249,6	249,6	249,6	
	140			268,8	268,8	268,8	268,8	268,8	268,8	268,8	268,8	
	150			288,0	288,0	288,0	288,0	288,0	288,0	288,0	288,0	
160	307,2			307,2	307,2	307,2	307,2	307,2	307,2	307,2		
170	326,4			326,4	326,4	326,4	326,4	326,4	326,4	326,4		
180	345,6			345,6	345,6	345,6	345,6	345,6	345,6	345,6		
190	364,8			364,8	364,8	364,8	364,8	364,8	364,8	364,8		
200	384,0			384,0	384,0	384,0	384,0	384,0	384,0	384,0		
3000 x 1250	8	-0/+2	± 0,2	28,8	28,8	28,8	28,8	28,8	28,8	28,8	28,8	28,8
	10			36,0	36,0	36,0	36,0	36,0	36,0	36,0	36,0	
	12			43,2	43,2	43,2	43,2	43,2	43,2	43,2	43,2	
	15			54,0	54,0	54,0	54,0	54,0	54,0	54,0	54,0	
	20			72,0	72,0	72,0	72,0	72,0	72,0	72,0	72,0	
	25			90,0	90,0	90,0	90,0	90,0	90,0	90,0	90,0	
	30	-0/+3	± 0,2	108,0	108,0	108,0	108,0	108,0	108,0	108,0	108,0	
	35			126,0	126,0	126,0	126,0	126,0	126,0	126,0	126,0	
	40			144,0	144,0	144,0	144,0	144,0	144,0	144,0	144,0	
	50			180,0	180,0	180,0	180,0	180,0	180,0	180,0	180,0	
	60	-0/+4	± 0,3	216,0	216,0	216,0	216,0	216,0	216,0	216,0	216,0	
	70			252,0	252,0	252,0	252,0	252,0	252,0	252,0	252,0	
80	288,0			288,0	288,0	288,0	288,0	288,0	288,0	288,0		
90	324,0			324,0	324,0	324,0	324,0	324,0	324,0	324,0		
100	-0/+10			± 0,4	360,0	360,0	360,0	360,0	360,0	360,0	360,0	360,0

continues on page 28

¹⁾ Available in other colours and regenerated grads on request

²⁾ For vessels requiring a test certificate (controlled by SKZ, Würzburg)

³⁾ PVDF in principle platen finish, tolerances on request

		G-black B ²⁾	G-black B 100 ²⁾	P (Homopolymer)		P (Copolymer)		PVDF ³⁾
		PE-HD/PE 300 PE 80 PE 100		PP-H		PP-C		PVDF
	black	black	black	natural	grey	natural	grey	natural
	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
	15,4	15,4	15,4	14,7	14,7	14,7	14,7	28,8
	19,2	19,2	19,2	18,4	18,4	18,4	18,4	36,0
	23,0	23,0	23,0	22,1	22,1	22,1	22,1	43,2
	28,8	28,8	28,8	27,6	27,6	27,6	27,6	54,0
	38,4	38,4	38,4	36,8	36,8	36,8	36,8	72,0
	48,0	48,0	48,0	46,0	46,0	46,0	46,0	90,0
	57,6	57,6	57,6	55,2	55,2	55,2	55,2	108,0
	67,2	67,2	67,2	64,4	64,4	64,4	64,4	126,0
	76,8	76,8	76,8	73,6	73,6	73,6	73,6	144,0
	96,0	96,0	96,0	92,0	92,0	92,0	92,0	180,0
	115,2	115,2	115,2	110,4	110,4	110,4	110,4	216,0
	134,4	134,4	134,4	128,8	128,8	128,8	128,8	252,0
	153,6	153,6	153,6	147,2	147,2	147,2	147,2	288,0
	172,8	172,8	172,8	165,6	165,6	165,6	165,6	324,0
	192,0	192,0	192,0	184,0	184,0	184,0	184,0	360,0
	211,2	211,2	211,2	202,4	202,4	202,4	202,4	–
	230,4	230,4	230,4	220,8	220,8	220,8	220,8	–
	249,6	249,6	249,6	239,2	239,2	239,2	239,2	–
	268,8	268,8	268,8	257,6	257,6	257,6	257,6	–
	288,0	288,0	288,0	276,0	276,0	276,0	276,0	–
	307,2	307,2	307,2	294,4	294,4	294,4	294,4	–
	326,4	326,4	326,4	312,8	312,8	312,8	312,8	–
	345,6	345,6	345,6	331,2	331,2	331,2	331,2	–
	364,8	364,8	364,8	349,6	349,6	349,6	349,6	–
	384,0	384,0	384,0	368,0	368,0	368,0	368,0	–
	28,8	28,8	28,8	27,6	27,6	27,6	27,6	54,0
	36,0	36,0	36,0	34,5	34,5	34,5	34,5	67,5
	43,2	43,2	43,2	41,4	41,4	41,4	41,4	81,0
	54,0	54,0	54,0	51,8	51,8	51,8	51,8	101,3
	72,0	72,0	72,0	69,0	69,0	69,0	69,0	135,0
	90,0	90,0	90,0	86,3	86,3	86,3	86,3	168,8
	108,0	108,0	108,0	103,5	103,5	103,5	103,5	202,5
	126,0	126,0	126,0	120,8	120,8	120,8	120,8	236,3
	144,0	144,0	144,0	138,0	138,0	138,0	138,0	270,0
	180,0	180,0	180,0	172,5	172,5	172,5	172,5	337,5
	216,0	216,0	216,0	207,0	207,0	207,0	207,0	405,0
	252,0	252,0	252,0	241,5	241,5	241,5	241,5	472,5
	288,0	288,0	288,0	276,0	276,0	276,0	276,0	540,0
	324,0	324,0	324,0	310,5	310,5	310,5	310,5	607,5
	360,0	360,0	360,0	345,0	345,0	345,0	345,0	675,0

Sheets, pressed

Polystone®				M ¹⁾			D ¹⁾		G-HD		G-black B ²⁾	G-black B 100 ²⁾
				PE-UHMW PE 1000			PE-HMW PE 500		PE-HD PE 300		PE-HD/PE 300 PE 80 PE 100	
Standard size mm	Thick- ness	Tolerances on thickness		natural	black	green	natural	black	natural	black	black	black
		platen finish mm	planed mm	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
4000 x 2000	8	-0/+2	± 0,2	61,4	61,4	61,4	61,4	61,4	61,4	61,4	61,4	61,4
	10			76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8	76,8
	12			92,2	92,2	92,2	92,2	92,2	92,2	92,2	92,2	92,2
	15			115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2
	20			153,6	153,6	153,6	153,6	153,6	153,6	153,6	153,6	153,6
	25			192,0	192,0	192,0	192,0	192,0	192,0	192,0	192,0	192,0
	30	-0/+3	± 0,2	230,4	230,4	230,4	230,4	230,4	230,4	230,4	230,4	230,4
	35			268,8	268,8	268,8	268,8	268,8	268,8	268,8	268,8	
	40			307,2	307,2	307,2	307,2	307,2	307,2	307,2	307,2	
	50			384,0	384,0	384,0	384,0	384,0	384,0	384,0	384,0	
	60	-0/+4	± 0,3	460,8	460,8	460,8	460,8	460,8	460,8	460,8	460,8	
	70			537,6	537,6	537,6	537,6	537,6	537,6	537,6		
	80			614,4	614,4	614,4	614,4	614,4	614,4	614,4		
	90			691,2	691,2	691,2	691,2	691,2	691,2	691,2		
100	-0/+10	± 0,4	768,0	768,0	768,0	768,0	768,0	768,0	768,0	768,0	768,0	
6000 x 1000	8	-0/+2	± 0,2	46,1	46,1	46,1	46,1	46,1	46,1	46,1	46,1	46,1
	10			57,6	57,6	57,6	57,6	57,6	57,6	57,6	57,6	
	12			69,1	69,1	69,1	69,1	69,1	69,1	69,1	69,1	
	15			86,4	86,4	86,4	86,4	86,4	86,4	86,4	86,4	
	20			115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2	
	25			144,0	144,0	144,0	144,0	144,0	144,0	144,0	144,0	
	30	-0/+3	± 0,2	172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8	
	35			201,6	201,6	201,6	201,6	201,6	201,6	201,6		
	40			230,4	230,4	230,4	230,4	230,4	230,4	230,4		
	50			288,0	288,0	288,0	288,0	288,0	288,0	288,0		
	60	-0/+4	± 0,3	345,6	345,6	345,6	345,6	345,6	345,6	345,6		
	70			403,2	403,2	403,2	403,2	403,2	403,2	403,2		
	80			460,8	460,8	460,8	460,8	460,8	460,8	460,8		
	90			518,4	518,4	518,4	518,4	518,4	518,4	518,4		
	100	-0/+10	± 0,4	576,0	576,0	576,0	576,0	576,0	576,0	576,0	576,0	
	110			633,6	633,6	633,6	633,6	633,6	633,6	633,6		
	120			691,2	691,2	691,2	691,2	691,2	691,2	691,2		
	130			748,8	748,8	748,8	748,8	748,8	748,8	748,8		
140	806,4			806,4	806,4	806,4	806,4	806,4	806,4			
150	864,0			864,0	864,0	864,0	864,0	864,0	864,0			
160	921,6			921,6	921,6	921,6	921,6	921,6	921,6			
170	979,2			979,2	979,2	979,2	979,2	979,2	979,2			
180	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8					

continues on page 30

¹⁾ Available in other colours and regenerated grads on request

²⁾ For vessels requiring a test certificate (controlled by SKZ, Würzburg)

³⁾ PVDF in principle platen finish, tolerances on request

	P (Homopolymer)		P (Copolymer)		PVDF ³⁾
	PP-H		PP-C		PVDF
	natural	grey	natural	grey	natural
	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
	58,9	58,9	58,9	58,9	115,2
	73,6	73,6	73,6	73,6	144,0
	88,3	88,3	88,3	88,3	172,8
	110,4	110,4	110,4	110,4	216,0
	147,2	147,2	147,2	147,2	288,0
	184,0	184,0	184,0	184,0	360,0
	220,8	220,8	220,8	220,8	432,0
	257,6	257,6	257,6	257,6	504,0
	294,4	294,4	294,4	294,4	576,0
	368,0	368,0	368,0	368,0	720,0
	441,6	441,6	441,6	441,6	864,0
	515,2	515,2	515,2	515,2	1.008,0
	588,8	588,8	588,8	588,8	1.152,0
	662,4	662,4	662,4	662,4	1.296,0
	736,0	736,0	736,0	736,0	1.440,0
	44,2	44,2	44,2	44,2	86,4
	55,2	55,2	55,2	55,2	108,0
	66,2	66,2	66,2	66,2	129,6
	82,8	82,8	82,8	82,8	162,0
	110,4	110,4	110,4	110,4	216,0
	138,0	138,0	138,0	138,0	270,0
	165,6	165,6	165,6	165,6	324,0
	193,2	193,2	193,2	193,2	378,0
	220,8	220,8	220,8	220,8	432,0
	276,0	276,0	276,0	276,0	540,0
	331,2	331,2	331,2	331,2	648,0
	386,4	386,4	386,4	386,4	756,0
	441,6	441,6	441,6	441,6	864,0
	496,8	496,8	496,8	496,8	972,0
	552,0	552,0	552,0	552,0	1.080,0
	607,2	607,2	607,2	607,2	–
	662,4	662,4	662,4	662,4	–
	717,6	717,6	717,6	717,6	–
	772,8	772,8	772,8	772,8	–
	828,0	828,0	828,0	828,0	–
	883,2	883,2	883,2	883,2	–
	938,4	938,4	938,4	938,4	–
	993,6	993,6	993,6	993,6	–

Sheets, pressed

Polystone®			M ¹⁾			D ¹⁾		G-HD		G-black B ²⁾	G-black B 100 ²⁾	
			PE-UHMW PE 1000			PE-HMW PE 500		PE-HD PE 300		PE-HD/PE 300 PE 80 PE 100		
Standard size mm	Thick- ness mm	Tolerances on thickness		natural	black	green	natural	black	natural	black	black	black
		platen finish mm	planed mm	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
6000 x 2000	8	-0/+2	± 0,2	92,2	92,2	92,2	92,2	92,2	92,2	92,2	92,2	92,2
	10			115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2
	12			138,2	138,2	138,2	138,2	138,2	138,2	138,2	138,2	138,2
	15			172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8
	20			230,4	230,4	230,4	230,4	230,4	230,4	230,4	230,4	230,4
	25			288,0	288,0	288,0	288,0	288,0	288,0	288,0	288,0	288,0
	30	-0/+3	± 0,2	345,6	345,6	345,6	345,6	345,6	345,6	345,6	345,6	345,6
	35			403,2	403,2	403,2	403,2	403,2	403,2	403,2	403,2	403,2
	40			460,8	460,8	460,8	460,8	460,8	460,8	460,8	460,8	460,8
	50			576,0	576,0	576,0	576,0	576,0	576,0	576,0	576,0	576,0
	60			691,2	691,2	691,2	691,2	691,2	691,2	691,2	691,2	691,2
	70			806,4	806,4	806,4	806,4	806,4	806,4	806,4	806,4	806,4
	80	-0/+4	± 0,3	921,6	921,6	921,6	921,6	921,6	921,6	921,6	921,6	921,6
	90			1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8	1.036,8
	100			1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0
	110			1.267,2	1.267,2	1.267,2	1.267,2	1.267,2	1.267,2	1.267,2	1.267,2	1.267,2
	120			1.382,4	1.382,4	1.382,4	1.382,4	1.382,4	1.382,4	1.382,4	1.382,4	1.382,4
	130			1.497,6	1.497,6	1.497,6	1.497,6	1.497,6	1.497,6	1.497,6	1.497,6	1.497,6
140	-0/+10	± 0,4	1.612,8	1.612,8	1.612,8	1.612,8	1.612,8	1.612,8	1.612,8	1.612,8	1.612,8	
150			1.728,0	1.728,0	1.728,0	1.728,0	1.728,0	1.728,0	1.728,0	1.728,0	1.728,0	
160			1.843,2	1.843,2	1.843,2	1.843,2	1.843,2	1.843,2	1.843,2	1.843,2	1.843,2	
170			1.958,4	1.958,4	1.958,4	1.958,4	1.958,4	1.958,4	1.958,4	1.958,4	1.958,4	
180			2.073,6	2.073,6	2.073,6	2.073,6	2.073,6	2.073,6	2.073,6	2.073,6	2.073,6	
190			2.188,8	2.188,8	2.188,8	2.188,8	2.188,8	2.188,8	2.188,8	2.188,8	2.188,8	
6000 x 2500 Megasheet™	8	-0/+2	-	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2	115,2
	10			144,0	144,0	144,0	144,0	144,0	144,0	144,0	144,0	144,0
	12			172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8	172,8
	15			216,0	216,0	216,0	216,0	216,0	216,0	216,0	216,0	216,0
	20			288,0	288,0	288,0	288,0	288,0	288,0	288,0	288,0	288,0
	25			360,0	360,0	360,0	360,0	360,0	360,0	360,0	360,0	360,0
	30	-0/+3	-	432,0	432,0	432,0	432,0	432,0	432,0	432,0	432,0	432,0
	35			504,0	504,0	504,0	504,0	504,0	504,0	504,0	504,0	504,0
	40			576,0	576,0	576,0	576,0	576,0	576,0	576,0	576,0	576,0
	50			720,0	720,0	720,0	720,0	720,0	720,0	720,0	720,0	720,0
	60			864,0	864,0	864,0	864,0	864,0	864,0	864,0	864,0	864,0
	70			1.008,0	1.008,0	1.008,0	1.008,0	1.008,0	1.008,0	1.008,0	1.008,0	1.008,0
80	-0/+4	-	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	1.152,0	
90			1.296,0	1.296,0	1.296,0	1.296,0	1.296,0	1.296,0	1.296,0	1.296,0	1.296,0	
100			1.440,0	1.440,0	1.440,0	1.440,0	1.440,0	1.440,0	1.440,0	1.440,0	1.440,0	
110			1.584,0	1.584,0	1.584,0	1.584,0	1.584,0	1.584,0	1.584,0	1.584,0	1.584,0	

¹⁾ Available in other colours and regenerated grads on request

²⁾ For vessels requiring a test certificate (controlled by SKZ, Würzburg)

³⁾ PVDF in principle platen finish, tolerances on request

Sheets, skived

	P (Homopolymer)		P (Copolymer)		PVDF ³⁾
	PP-H		PP-C		PVDF
	natural	grey	natural	grey	natural
	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
	88,3	88,3	88,3	88,3	172,8
	110,4	110,4	110,4	110,4	216,0
	132,5	132,5	132,5	132,5	259,2
	165,6	165,6	165,6	165,6	324,0
	220,8	220,8	220,8	220,8	432,0
	276,0	276,0	276,0	276,0	540,0
	331,2	331,2	331,2	331,2	648,0
	386,4	386,4	386,4	386,4	756,0
	441,6	441,6	441,6	441,6	864,0
	552,0	552,0	552,0	552,0	1.080,0
	662,4	662,4	662,4	662,4	1.296,0
	772,8	772,8	772,8	772,8	1.512,0
	883,2	883,2	883,2	883,2	1.728,0
	993,6	993,6	993,6	993,6	1.944,0
	1.104,0	1.104,0	1.104,0	1.104,0	2.160,0
	1.214,4	1.214,4	1.214,4	1.214,4	—
	1.324,8	1.324,8	1.324,8	1.324,8	—
	1.435,2	1.435,2	1.435,2	1.435,2	—
	1.545,6	1.545,6	1.545,6	1.545,6	—
	1.656,0	1.656,0	1.656,0	1.656,0	—
	1.766,4	1.766,4	1.766,4	1.766,4	—
	1.876,8	1.876,8	1.876,8	1.876,8	—
	1.987,2	1.987,2	1.987,2	1.987,2	—
	110,4	110,4	110,4	110,4	216,0
	138,0	138,0	138,0	138,0	270,0
	165,6	165,6	165,6	165,6	324,0
	207,0	207,0	207,0	207,0	405,0
	276,0	276,0	276,0	276,0	540,0
	345,0	345,0	345,0	345,0	675,0
	414,0	414,0	414,0	414,0	810,0
	483,0	483,0	483,0	483,0	945,0
	552,0	552,0	552,0	552,0	1.080,0
	690,0	690,0	690,0	690,0	1.350,0
	828,0	828,0	828,0	828,0	1.620,0
	966,0	966,0	966,0	966,0	1.890,0
	1.104,0	1.104,0	1.104,0	1.104,0	2.160,0
	1.242,0	1.242,0	1.242,0	1.242,0	2.430,0
	1.380,0	1.380,0	1.380,0	1.380,0	2.700,0

Polystone®				M		
				PE-UHMW PE 1000		
Standard size	Thick- ness	Tolerances on thickness	Sheets	natural	black	green
mm	mm	mm	palett unit	kg sheet	kg sheet	kg sheet
2000 x 1000	1	+ 0,3/-0	200	1,9	1,9	1,9
	1,5	± 0,2	150	2,9	2,9	2,9
	2		150	3,8	3,8	3,8
	3		100	5,8	5,8	5,8
	4	± 0,3	75	7,7	7,7	7,7
	5		75	9,6	9,6	9,6
	6		75	11,5	11,5	11,5
	8		60	15,4	15,4	15,4

Sheets in size 3000 x 1000 mm can be delivered within short time under consideration of a certain minimum quantity

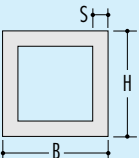
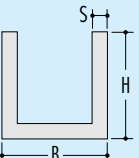
Other sizes as well as special colours on request

Sheets, pressed

Trovidur® PVC rigid			PN		PHS 15	NL	PHT
			PVC-U		PVC-U	PVC-U	PVC-C
Standard size mm	Thick- ness	Tolerances on thickness mm	grey 7011 kg/sheet	black kg/sheet	grey TR 514 kg/sheet	red kg/sheet	grey 7037 kg/sheet
1000 x 1000	40	-0/+10 %	58,80	58,80	56,00	57,60	65,60
	50	-0/+10 %	73,50	73,50	70,00	72,00	82,00
	60	-0/+10 %	88,20	88,20	84,00	86,40	98,40
	70	-0/+10 %	102,90	102,90	98,00	100,80	114,80
	75	-0/+10 %	110,25	110,25	105,00	108,00	123,00
	80	-0/+10 %	117,60	117,60	112,00	115,20	131,20
	100	-0/+10 %	147,00	147,00	140,00	144,00	164,00
2000 x 1000	1	± 0,150	2,94	2,94	2,80	2,88	3,28
	1,5	± 0,175	4,41	4,41	4,20	-	4,92
	2	± 0,200	5,88	5,88	5,60	5,76	6,56
	3	± 0,250	8,82	8,82	8,40	8,64	9,84
	4	± 0,300	11,76	11,76	11,20	11,52	13,12
	5	± 0,350	14,70	14,70	14,00	14,40	16,40
	6	± 0,400	17,64	17,64	16,80	17,28	19,68
	7	± 0,450	20,58	20,58	19,60	20,16	22,96
	8	± 0,500	23,52	23,52	22,40	23,04	26,24
	9	± 0,550	26,46	26,46	25,20	25,92	29,52
	10	± 0,600	29,40	29,40	28,00	28,80	32,80
	12	± 0,700	35,28	35,28	33,60	34,56	39,36
	15	± 0,850	44,10	44,10	42,00	43,20	49,20
	20	± 1,100	58,80	58,80	56,00	57,60	65,60
	25	± 1,350	73,50	73,50	70,00	72,00	82,00
	30	± 1,600	88,20	88,20	84,00	86,40	98,40
	35	-0/+10 %	102,90	102,90	98,00	100,80	114,80
	40	-0/+10 %	117,60	117,60	112,00	115,20	131,20
	45	-0/+10 %	132,30	132,30	126,00	129,60	147,60
	50	-0/+10 %	147,00	147,00	140,00	144,00	164,00
	55	-0/+10 %	161,70	161,70	154,00	158,40	180,40
	60	-0/+10 %	176,40	176,40	168,00	172,80	196,80
	80	-0/+10 %	235,20	235,20	-	-	-
100	-0/+10 %	294,00	294,00	-	-	-	

Trovidur® PVC rigid			PN		PHS 15	NL	PHT	PHT 4910
			PVC-U		PVC-U	PVC-U	PVC-C	PVC-C
Standard size	Thick- ness	Tolerances on thickness	grey 7011	black	greyTR 514	red	grey 7037	white 120
mm	mm	mm	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet	kg/sheet
2440 x 1220	1	± 0,150	4,38	4,38	4,17	4,29	4,88	4,88
	1,5	± 0,175	6,56	6,56	6,25	–	7,32	7,32
	2	± 0,200	8,75	8,75	8,34	8,57	9,76	9,76
	3	± 0,250	13,13	13,13	12,50	12,86	14,65	14,65
	4	± 0,300	17,50	17,50	16,67	17,15	19,53	19,53
	5	± 0,350	21,88	21,88	20,84	21,43	24,41	24,41
	6	± 0,400	26,26	26,26	25,01	25,72	29,29	29,29
	7	± 0,450	30,63	30,63	29,17	30,01	34,17	34,17
	8	± 0,500	35,01	35,01	33,34	34,29	39,06	39,06
	9	± 0,550	39,38	39,38	37,51	38,58	43,94	43,94
	10	± 0,600	43,76	43,76	41,68	42,87	48,82	48,82
	12	± 0,700	52,51	52,51	50,01	51,44	58,58	58,58
	15	± 0,850	65,64	65,64	62,51	64,30	73,23	73,23
	20	± 1,100	87,52	87,52	83,35	85,73	97,64	97,64
	25	± 1,350	109,40	109,40	104,19	107,16	122,05	122,05
	30	± 1,600	131,28	131,28	125,03	128,60	146,46	–
		– 0/ + 10%	–	–	–	–	–	146,46
	35	– 0/ + 10%	153,16	153,16	145,86	150,03	170,87	170,87
	40	– 0/ + 10%	175,04	175,04	166,70	171,46	195,28	195,28
	45	– 0/ + 10%	196,92	196,92	187,54	192,90	219,69	219,69
	50	– 0/ + 10%	218,79	218,79	208,38	214,33	244,10	244,10
55	– 0/ + 10%	240,67	240,67	229,21	235,76	268,51	–	
60	– 0/ + 10%	262,55	262,55	250,05	257,20	292,92	–	

Square tubes- and U-Profiles, extruded

Polystone®		G				P (Homopolymer)			
		PE-HD PE 300				PP-H			
Cross-section	Designation	natural/black				grey			
		Measurement			Weight	Measurement			Weight
		B / mm	H / mm	S / mm	kg/m	B / mm	H / mm	S / mm	kg/m
	H01	35	35	2,0	0,25	35	35	2,0	0,24
	H02			2,5	0,31			2,5	0,30
	H03			3,0	0,37			3,0	0,35
	H04			3,5	0,42			3,5	0,40
	H05			4,0	0,47			4,0	0,45
	H09	45	45	3,0	0,45	45	45	3,0	0,43
	H13	50	50	2,0	0,41	50	50	2,0	0,39
	H06			2,5	0,45			2,5	0,43
	H07			4,0	0,70			4,0	0,67
	H14			2,5	0,47			2,5	0,45
	H11			4,0	0,83			4,0	0,80
	H12	68	68	3,0	0,73	68	68	3,0	0,70
	H08	75	75	2,5	0,74	75	75	2,5	0,71
	H15	91	91	4,0	1,33	91	91	4,0	1,27
		U01	49	46	4,0	0,50	49	46	4,0
U02		72		0,70		72		0,67	
U03		84		0,80		84		0,76	
U13		92		0,86		92		0,80	
U04		112		1,01		112		0,96	
U05		132	1,16	132	1,10				
U06		72	0,78	72	0,75				
U07		92	0,95	92	0,90				
U08		69	112	1,09	69	112	1,04		
U09		132	1,29	132	1,18				
U11		153	1,40	153	1,33				
U12		90	92	1,01	90	92	0,97		

Standard length 5000 mm.

PP-Copolymer and PPs-profiles as well as profiles in custom lengths and colours on request

Rods, extruded

Polystone®				M	G	P	PVDF
				PE-UHMW PE 1000	PE-HD PE 300	PP	PVDF
Standard size	Tolerances mm			natural/ black/green	natural/ black	natural/ grey	natural
	Ø mm	upper deviation	lower deviation	kg/m	kg/m	kg/m	kg/m
2000 mm	8	+0,5	+0,1	–	0,05	0,05	0,10
	10	+0,6		0,08	0,08	0,08	0,16
3000 mm	12	+0,7	+0,2	–	0,12	0,11	0,23
	15	+0,8		0,18	0,19	0,18	0,35
	16		+0,2	–	0,19	0,18	0,36
	18	+0,9		0,26	0,27	0,25	0,50
	20		+0,2	0,33	0,33	0,32	0,63
	25	+1,2		0,46	0,46	0,44	0,87
	30		+0,2	0,66	0,67	0,64	1,26
	35	+1,3		0,96	0,98	0,93	1,84
	40	+1,5	+0,2	1,26	1,28	1,22	2,41
	42			–	1,44	1,37	2,71
	45	+2,0	+0,3	1,48	1,50	1,43	2,83
	50			1,83	1,86	1,77	3,50
	55		+0,3	2,21	2,25	2,14	4,23
	60	+2,3		2,83	2,88	2,74	5,43
	65	+2,5	+0,3	3,33	3,38	3,22	6,37
	70			3,58	3,64	3,46	6,85
	75		+0,4	4,44	4,52	4,30	8,51
	80	+3,0		4,67	4,75	4,52	8,95
	85	+3,4	+0,5	5,71	5,80	5,52	10,92
	90			5,92	6,01	5,73	11,32
	100	+3,8	+0,6	7,87	8,00	7,62	15,06
	110	+4,2		9,53	9,68	9,22	18,23
	120		+0,8	11,34	11,52	10,97	21,70
	125	+4,6		11,41	11,60	11,04	21,84
	130	+4,8	+0,8	13,27	13,49	12,84	25,40
	135			–	14,63	13,93	27,56
	140	+5,4	+0,9	14,32	14,55	13,85	27,40
	150	+5,8		17,73	18,02	17,16	33,93
	160		+1,1	20,62	20,95	19,95	39,46
	165	+8,0		–	20,21	19,24	38,06
	170		+1,2	–	21,45	20,43	40,40
	180			23,67	24,05	22,90	45,30
	200	+8,5	+1,3	31,75	32,27	30,73	60,77
	225			–	40,64¹⁾	38,70¹⁾	76,55
	230	+9,0	+1,3	38,64	–	–	–
	250			45,65¹⁾	46,39¹⁾	44,18¹⁾	87,38
	260	+9,5	+1,3	53,05¹⁾	–	–	–
	300	+10,0		–	71,33¹⁾	67,93¹⁾	134,35














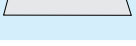
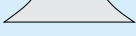
Trovidur®				PVC-U
				PVC-U
Standard size	Tolerances mm			grey RAL 7011
	Ø mm	upper deviation	lower deviation	kg/m
2000 mm	6	+0,4	+0,1	0,043
	8	+0,5		0,076
	10	+0,6	+0,2	0,118
	12	+0,7		0,170
	15	+0,8	+0,2	0,263
	20	+1,0		0,468
	25	+1,1	+0,2	0,723
	30	+1,2		1,040
	40	+1,5	+0,3	1,840
	45	+1,7		2,330
	50		+0,3	2,880
	55	+2,0		3,438
	60	+2,3	+0,3	4,140
	65			4,713
	70		+0,4	5,610
	75	+2,5		6,475
	80		+0,4	7,300
	85			8,063
	90	+2,8	+0,5	9,240
	100	+3,0	+0,6	11,390
	110		+0,7	13,760
	120	+3,5	+0,8	16,390
	130	+4,0	+0,8	19,260
	150	+4,2	+1,0	25,630
	160	+4,5	+1,1	28,300
	180	+8,0	+1,2	38,000
	200		+1,3	47,300

Remarks for Polystone®-Rods:

- Rods in Polystone® M-green (PE-UHMW/PE 1000) are partly available ex stock. Please let us have your detailed requirements.
- Special lengths, colours and other diameters on request.

¹⁾Standard size 1000 mm

Welding rod, extruded

		Polystone®			G-black B ¹⁾	G-black B 100 ¹⁾	G	P ²⁾				PVDF
					PE 80	PE 100	PE-HD PE 300	PP				PVDF
Cross-section	Designation	Measure mm	Tolerances B H mm mm		black	black	natural	grey	natural	white	black	natural
				Round DVS 2211	RS/2 RS/3 RS/4 RS/5	∅ 2 ∅ 3 ∅ 4 ∅ 5	±0,2 -0,3/+0,2 -0,4/+0,2	○ ● ● ●	○ ● ● ○	○ ● ● ○	○ ● ● ○	○ ● ● ○
	Triangular 80° DVS 2211	DK/80-4 - DK/80-5 DK/80-6 DK/80-7 - -	4,0 x 3,0 - 5,0 x 3,5 6,0 x 4,5 7,0 x 5,3 - -	±0,3 - ±0,3 ±0,4 - -	+0/-0,4 - +0/-0,4 +0/-0,4 - -	● - ○ ● ○ - -	○ - ○ ○ ○ - -	○ - ○ ● ○ - -	○ - ○ ○ ○ - -	○ - ○ ○ ○ - -	○ - ○ ○ ○ - -	○ - ● ○ ○ - -
	Triangular 90° DVS 2211	DK/90-5,7 -	5,7 x 3,8 -	-0,5/+0,1 -	+0/-0,4 -	○ -	○ -	○ -	○ -	○ -	○ -	○ -
	Triangular 70° DVS 2211	DK/70-7	7,0 x 5,0	-0,3/-0,9	+0/-0,4	○	○	○	○	○	○	○
	Triangular 90° special	DK/90-5	5,0 x 3,2	±0,3	±0,3	○	○	○	○	○	○	-
	Oval	OS-5	5,0 x 3,0	±0,3	±0,3	○	○	○	○	○	○	○
	Double Core	-	-	-	-	-	-	-	-	-	-	-
	Triple Core 90°	DR/80-5	5,0 x 3,4	±0,3	+0/-0,4	○	○	○	○	○	○	-
	Triple Core	-	-	-	-	-	-	-	-	-	-	-
	DK 100	-	-	-	-	-	-	-	-	-	-	-
	DK 200	-	-	-	-	-	-	-	-	-	-	-
	Profile a	-	-	-	-	-	-	-	-	-	-	-
	Profile b	-	-	-	-	-	-	-	-	-	-	-
	Flat profile	-	-	-	-	-	-	-	-	-	-	-
	Trapezoid profile	-	-	-	-	-	-	-	-	-	-	-

- available ex stock
- delivery at short notice

¹⁾ For vessels requiring a test certificate (controlled by SKZ-Würzburg).

²⁾ Polystone® P copolymer welding rod ex stock, homopolymer and flame retardant on request

Trovidur®				EN						ET	EP	NL	HT	PHT	W		
				PVC-U						PVC-U	PVC-U	PVC-U	PVC	PVC-C	PVC-P		
Designation	Measure mm	Tolerances		red 250	grey 7011	grey 231	white 182	ivory 195	black 712	trans- parent	grey 7011	red	grey 575	grey 7037	natural W 1014	natural W 1590	black W 2000
		B mm	H mm														
S DMS: 2	∅ 2	±0,2		○	●	○	○	○	○	○	●	○	○	○	○	○	○
S DMS: 3	∅ 3		●	●	●	●	●	●	●	●	●	●	●	●	○	○	○
S DMS: 4	∅ 4		●	●	●	○	○	○	○	○	○	○	○	○	●	○	●
S DMS: 5	∅ 5		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
–	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
80–4,3	3 x 3 x 4,3			○	●	●	○	○	○	○	○	○	○	○	○	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
80–6	4 x 4 x 6			○	●	○	○	○	○	○	○	○	○	○	○	–	–
80–7	5 x 5 x 7			○	●	○	○	○	○	○	○	○	○	○	○	–	–
80–8	6 x 6 x 8			○	○	○	○	○	○	○	○	○	○	○	○	–	–
90–4	3 x 3 x 4			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
90–6	4,7 x 4,7 x 6			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	6,1 x 3,1			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	–			–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	5,0 x 3,5			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	5,55 x 3,0			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	6,45 x 3,45			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	7,0 x 3,0			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	5,5 x 2,5			○	○	○	○	○	○	○	○	○	○	○	○	–	–
–	17 x 13 x 3	±0,3		–	–	–	–	–	–	–	–	–	–	–	–	–	●
–	17,5 x 7 x 5		–	–	–	–	–	–	–	–	–	–	–	–	–	–	●

Standard packaging

Polystone® PVDF: Coils of approx. 2 kg
Polystone® PE and PP: Coils of approx 5 kg or reels of approx. 3 kg
Trovidur® PVC: Packages of approx. 3 kg with lengths of 1.000 and 2.000 mm or on reels of approx. 3 kg

All welding rods are generally dustproof packed in PE-bags. Custom lengths and colours on request. Additionally we are able to deliver almost every other shape according to your wishes.

Rigid foam sheet

Trovitex® PVC			Trovitex-7 ¹⁾ white		Trovitex ¹⁾ white		coloured					
			PVC-U		PVC-U							
Standard size mm	Thick- ness	Tolerances on thickness mm	sheets palett unit	white 657 kg sheet	sheets palett unit	white 657 kg sheet	yellow kg sheet	red kg sheet	green kg sheet	blue kg sheet	grey kg sheet	black kg sheet
2000 x 1000	3	± 0,170		–		4,47	–	–	–	–	–	–
	4	± 0,200		–		5,95	–	–	–	–	–	–
	5	± 0,230		–		7,44	–	–	–	–	–	–
	6	± 0,260		–		8,93	–	–	–	–	–	–
	8	± 0,320		–		11,91	–	–	–	–	–	–
	10	± 0,380		–		14,88	–	–	–	–	–	–
2440 x 1220	1	± 0,110	240	2,44		–	–	–	–	–	–	–
	1,5	± 0,125		3,66		–	–	–	–	–	–	–
	2	± 0,140	120	4,64		–	–	–	–	–	–	–
	3	± 0,170		6,97	120	4,47	4,47	4,47	4,47	4,47	4,47	4,47
	4	± 0,200		9,29	90	5,95	–	–	–	–	–	–
	5	± 0,230		11,61	60	7,44	7,44	7,44	7,44	7,44	7,44	7,44
	6	± 0,260		13,93	60	8,93	–	–	–	–	–	–
	8	± 0,320		18,58	50	11,91	–	–	–	–	–	–
	10	± 0,380		23,22	40	14,88	–	–	–	–	–	–
	13	± 0,470		–		19,35	–	–	–	–	–	–
	15	± 0,530		–		22,33	–	–	–	–	–	–
3050 x 1220	1	± 0,110		3,05		–	–	–	–	–	–	–
	1,5	± 0,125		4,58		–	–	–	–	–	–	–
	2	± 0,140		6,10		–	–	–	–	–	–	–
	3	± 0,170		9,15	120	5,58	–	–	–	–	–	–
	4	± 0,200		12,20	90	7,44	–	–	–	–	–	–
	5	± 0,230		15,26	60	9,30	–	–	–	–	–	–
	6	± 0,260		18,31	60	11,16	–	–	–	–	–	–
	8	± 0,320		24,41	50	14,88	–	–	–	–	–	–
	10	± 0,380		30,51	40	18,61	–	–	–	–	–	–
	13	± 0,470		–		24,19	–	–	–	–	–	–
	15	± 0,530		–		27,91	–	–	–	–	–	–
3050 x 1560	1	± 0,110	140	3,90		–	–	–	–	–	–	–
	1,5	± 0,125		5,85		–	–	–	–	–	–	–
	2	± 0,140	75	7,42		–	–	–	–	–	–	–
	3	± 0,170	50	11,13	100	7,14	7,14	7,14	7,14	7,14	7,14	7,14
	4	± 0,200		14,84	75	9,52	–	–	–	–	–	–
	5	± 0,230		18,56	60	11,90	11,90	11,90	11,90	11,90	11,90	11,90
	6	± 0,260		22,27	50	14,27	–	–	–	–	–	–
	8	± 0,320		29,69	35	19,03	–	–	–	–	–	–
	10	± 0,380		37,11	25	23,79	–	–	–	–	–	–
	13	± 0,470		–	20	30,93	–	–	–	–	–	–
	15	± 0,530		–	20	35,69	–	–	–	–	–	–
19	± 0,650		–		45,20	–	–	–	–	–	–	

¹⁾ PE-Film on one side

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Rigid foam sheet

Trovitex® PVC			Trovitex-7 ¹⁾ white		Trovitex ¹⁾ white	
			PVC-U		PVC-U	
Standard size mm	Thick- ness mm	Tolerances on thickness mm	sheets palett unit	white 657 kg sheet	sheets palett unit	white 657 kg sheet
3050 x 2030	2	± 0,140		10,15		–
	3	± 0,170		–	100	9,29
	4	± 0,200		–	75	12,38
	5	± 0,230		–	60	15,48
	6	± 0,260		–	50	18,57
	8	± 0,320		–	35	24,77
	10	± 0,380		–	25	30,96
	13	± 0,470		–		40,24
	15	± 0,530		–		46,44
4050 x 2030	19	± 0,650		–		58,82
	3	± 0,170		–		12,33
	4	± 0,200		–		16,44
	5	± 0,230		–		20,55
	6	± 0,260		–	30	24,66
	8	± 0,320		–		32,89
	10	± 0,380		–	20	41,11
	13	± 0,470		–		53,44
	15	± 0,530		–		61,66
	19	± 0,650		–		78,10

Integral foam sheets

Trovicel® PVC				Trovicel ¹⁾ white	
				PVC-U	
Standard size mm	Thick- ness mm	Tolerances on thickness mm	sheets palett unit	white 951 kg/ sheet	
2000 x 1000	10	± 0,380	50	11,00	
	19	± 0,650		20,90	
	24	± 0,800		26,40	
2500 x 1000	10	± 0,380		13,75	
	19	± 0,650		26,13	
	24	± 0,800		33,00	
3000 x 1000	10	± 0,380	30	16,50	
	19	± 0,650		31,35	
	24	± 0,800		39,60	
3000 x 1250	10	± 0,380	25	20,63	
	13	± 0,470		26,81	
	19	± 0,650	15	39,19	
3000 x 1560	24	± 0,800	10	49,50	
	10	± 0,380	25	25,74	
	19	± 0,650	15	48,91	
4000 x 1250	24	± 0,800		61,78	
	10	± 0,380	20	27,50	
	19	± 0,650		52,25	
4000 x 1560	24	± 0,800		66,00	
	10	± 0,380	20	34,32	
	19	± 0,650		65,21	
	24	± 0,800		82,37	

¹⁾ PE-film on one side

Astralon® G
Astraglas® WS

		Astralon® G										
Standard size	Thickness	872 white 712 black 872 white	872 white 58 green 872 white	872 white 69 blue 872 white	872 white 24 red 872 white	712 black 872 white 712 black	40 yellow 712 black 40 yellow	69 blue 872 white 69 blue	58 green 872 white 58 green	24 red 872 white 24 red	7 gold black	4 silver 712 black
mm	mm											
1410 x 610	0,75	○	–	–	–	○	○	○	○	○	–	–
	1,25	○	○	○	○	○	○	○	○	○	○	○
	1,50	○	–	–	–	○	○	○	○	○	–	–
	2,00	○	–	–	–	○	○	○	○	○	–	–
1480 x 650	3,00	○	–	–	–	○	○	○	○	○	–	–

		Astraglas® WS
Standard size	Thickness	transparent
mm	mm	
1600 x 800	0,50	●
	0,75	●
	1,00	●
2000 x 1000	0,50	●
	0,75	●
	1,00	●

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Röchlingstr. 1
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info@roechling-haren.de
www.roechling-haren.de

Plant Troisdorf
Mülheimerstr. 26/Geb. 115
D-53840 Troisdorf/Germany
Tel. +49 2241 4820-0
Fax +49 2241 4820-108

Röchling Technische Kunststoffe KG

Guericke Str. 5
D-06686 Lützen/Germany
Tel. +49 34444 308-0
Fax +49 34444 308-10
info@roechling-luetzen.de
www.roechling-luetzen.de

Hydroma Technische Kunststoffe GmbH

Lemberger Str. 101
D-66957 Ruppertsweiler/Germany
Tel. +49 6395 92 22-0
Fax +49 6395 83 55
postmaster@hydroma.com
www.hydroma.com



Finland

Rimito Plast Oy

Harjutie 12, 21290 Rusko/Finland
Tel. +358 2 436 0100
Fax +358 2 436 0105
rimito@rimitoplast.fi
www.rimitoplast.fi



Sweden

AB Formaterm

Box 27, S-570 80 Virserum/Sweden
Tel. +46 (0) 495-24 90 90
Fax +46 (0) 495-305 21
info@formaterm.se
www.formaterm.com



France

Permal Composites S.A.

8, Rue A-Fruchard
B.P.12, Maxéville
F-54527 LAXOU Cedex
France
Tel.: +33 3 83/34 24 24
Fax: +33 3 83/32 23 18
info@permali.fr
www.permali.com

Röchling Engineering S.à.r.l.

8, Rue A-Fruchard
B.P.12, Maxéville
F-54527 LAXOU Cedex
France
Tel. +33 3 83/34 24 24
Fax +33 3 83/32 23 18
info@permali.fr
www.permali.com

Röchling Engineering Plastiques S.A.S.

2, rue de Barcelone
F-69153 Décines Cedex/France
Tel. +33 4 72 14 89 60
Fax +33 4 72 37 11 20
rochling.decines@rochling.fr
www.rochling.fr



Great Britain

Röchling Materials Ltd.

Waterwells Business Park
Waterwells Drive, Quedgeley,
GB-Gloucester GL2 4AA
Great Britain
Tel. +44 (0) 14 52 / 72-79 00
Fax +44 (0) 14 52 / 72-80 56
sales@roechling.co.uk
www.roechling.co.uk



Czech Republic

Roehling Technické Plasty s.r.o.

Planá nad Lužnicí
Prumyslová 451
CZ-391 02 Sezimovo Ústí 2,
Czech Republic
Tel. +420 381 622 500
Fax +420 381 622 501
info@roechling.cz
www.roechling.cz



Austria

Leripa Kunststoff GmbH

Postfach 46
A-4150 Oepping 100/Austria
Tel. +43 (0) 72 89/46 11-0
Fax +43 (0) 72 89/46 11-80
www.leripa.com
robaproducts@leripa.com



Italy

Röchling Engineering Plastics Italia s.r.l.

Via Maja 5 - Zona Industriale
I-21051 Arcisate (Varese)/Italy
Tel. +39 (0) 332-47 60 11
Fax +39 (0) 332-47 41 12
www.blumer.it
info@blumer.it



Spain

Röchling

Plastpur S.A. Unipersonal
Ctra. Villana, s/n. - Apartado 34
E-46880 Boccarent (Valencia)/Spain
Tel. +34 962 350 165/962 905 168
Fax +34 962 351 025
www.roechling-plastur.com
info@roechling-plastpur.com



USA

Röchling Engineered Plastics

P.O. Box 2729
Gastonia, NC 28053/USA
Tel. +1 (800) 541-4419
Fax +1 (704) 922-7651
www.roechling-plastics.us
info@roechling-plastics.us

Röchling Engineered Plastics

2040 Carlos Avenue
Ontario, CA 91761/USA
Tel. +1 (800) 545-5177
Fax +1 (909) 923-3280
www.roechling-plastics.us
info@roechling-plastics.us

Röchling Machined Plastics

161 Westec Drive
Mount Pleasant, PA 15666/USA
Tel. +1 724 696-5200
Fax +1 724 696-5300
www.roechling.biz
rmp@roechling.biz

Leripa Papertech LLC

710 Ford Street
Kimberly, WI 54136/USA
Tel. +001 920/954-9154
Fax +001 920/954-9156
leripa.papertech@athenet.net



Singapore

Röchling Engineering Plastics Pte. Ltd.

No. 14 Tuas Avenue 8
Singapore 639229
Tel. +65 (0) 6 863/18 77
Fax +65 (0) 6 863/17 66
rep@roechling.com.sg



China

Röchling International (Shanghai) Co., Ltd.

German Center 0.10
1233 Si Ping Lu
Shanghai 200092/P. R. China
Tel. +86 (0) 21 6501 2970
Fax +86 (0) 21 6501 4031
rep@roechling.com.sg
www.roechling-asia.com

Leripa Papertech (Kunshan) Co. Ltd.

Chengbei Town, 683 Zi Zhu Lu,
Kunshan, Jiangsu 215316/P. R. China
Tel. +86 512 5777 9151/52
Fax +86 512 5777 9153
gh.rapeli@leripa.com
www.leripa.com



India

Röchling Engineering Plastics (India) Pvt. Ltd.

E-302, 3rd Floor, Remi Bizcourt
Shah Industrial Estate
Off. Veera Desai Road
Andheri (W), Mumbai – 400 053
Tel. +91 (022) 569709-95 or -96
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Röchlingstr. 1, D-49733 Haren/Germany
Postfach 14 60, 49726 Haren/Germany
Tel. + 49 5934 701-0
Fax + 49 5934 701-300
www.roechling-plastics.com
info@roechling-plastics.com

Plant Troisdorf
Mülheimer Str. 26/Geb. 115
D-53840 Troisdorf/Germany
Tel. +49 22 41 4820-0
Fax +49 22 41 4820-108