Röchling

Industrial

Technical Data Sheet

Trovidur® EPC

Product characteristics

- High chemical and corrosion resistance
- Good weldability and glueability
- Easy processing

Product applications

- Chemical engineering and tank building
- Powder coating plants

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,44
Water absorption	DIN EN ISO 62	%	0,2
Flammability from 4 mm	UL 94		V0
Flammability (Thickness 4 mm)	DIN 4102		B1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	52
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2800
Notched impact strength	DIN EN ISO 179	kJ / m^2	4
Shore hardness	DIN EN ISO 868	scale D	81
Ball Hardness	ISO 2039	MPa	110
Compressive strength	DIN EN ISO 604	MPa	75
Bending strength	DIN EN ISO 178	MPa	80
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	76
Service Temperature		°C	-15 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	68
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Glow wire ignition tempearture	DIN EN 60695-2-13	°C	990
Glow wire flammability index	DIN EN 60695-2-12	°C	960
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (10^6 Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10^{15}
Surface resistivity	DIN EN 62631-3-2	Ω	>10^{13}
Dielectric strength	IEC 60243	kV / mm	12
Comparative tracking index	IEC 60112	CTI	600

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

Röchling Industrial SE & Co. KG
Mülheimer Str. 26 • D-53840 Troisdorf/Germany • Tel. +49 2241 4820-0 • Fax +49 2241 4820-100
info@roechling-plastics.com • www.roechling.com/industrial
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