Röchling

Industrial

Technical Data Sheet

Trovidur® EA

Product characteristics

- Good glueability
- Fire class B1 according to DIN 4102 up to 3 mm thickness
- High UV and weather resistance

Product applications

- Construction industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,45
Water absorption	DIN EN ISO 62	%	≤0,20
Flammability (Thickness 0,9 mm ... 3 mm)	DIN 4102		B1
Flammability (Thickness 0,9 mm ... 3 mm)	NF P 92-501		M1
Flammability (Thickness 1,2 mm)	BS 476 Part 7		Class 1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	55
Elongation at break	DIN EN ISO 527	%	15
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3000
Notched impact strength	DIN EN ISO 179	kJ / m^2	4
Shore hardness	DIN EN ISO 868	scale D	83
Ball indentation hardness	DIN EN ISO 2039-1	MPa	110
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
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
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}

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.

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