Röchling

Industrial

Technical Data Sheet

Trovidur® EC Clad

Product characteristics

- Fire protection according to EN 13501 B - s3, d0
- Good impact strength
- Good weldability and glueability

Product applications

- Sanitary facilities
- Wall cladding
- Hygiene-sensitive areas

	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 (Thickness 1 mm ... 3 mm)	NF P 92-501		M1
Flammability (Thickness 2,5 mm)	BS 476 Part 6		Class 0
Flammability (Thickness 2,5 mm)	BS 476 Part 7		Class 1
Flammability (Thickness 1,9 mm ... 2,5 mm)	EN 13501-1		B s3 d0
Flammability (Thickness 1,7 mm ... 3 mm)	UL 94		V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	50
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	80
Ball Hardness	ISO 2039	MPa	110
Compressive strength	DIN EN ISO 604	MPa	65
Bending strength	DIN EN ISO 178	MPa	70
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	75
Service Temperature		°C	-15 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	66
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Electrical properties			
Dielectric constant	IEC 60250		3,20
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.

Röchling Industrial SE & Co. KG
Röchlingstr. 1 • D-49733 Haren/Germany • Tel. +49 5934 701-0 • Fax +49 5934 701-299
info@roechling-plastics.com • www.roechling.com/industrial
Date: 13/10/2021 Version: 5.0.0

INTEGRATED MANAGEMENT SYSTEM