Röchling

Industrial

Technical Data Sheet

TroBloc® M

Product characteristics

- Highly hydrophobic surface
- Easy-to-Clean / Long service life
- Very high scratch resistance

Product applications

- Medical engineering

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,41
Water absorption	DIN EN ISO 62	%	0,20
Flammability (2,5 mm)	B.S. 476 Part 7 (GB)		Class 1
Flammability (2,5 mm)	NFP 92-501 (FR)		M1
Flammability (Thickness 2,5 mm)	BS 476 Part 6		Class 0
Flammability (Thickness 2,5 mm)	DIN 4102		B1
Flammability (Thickness 2,5 mm)	AS/NZS 1530.3		tested
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m^2	6
Shore hardness	DIN EN ISO 868	scale D	82
Ball indentation hardness	DIN EN ISO 2039-1	MPa	110
Thermal properties			
Thermal conductivity	DIN EN ISO 8302	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	74
Service Temperature		°C	-20 ... +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.

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
Date: 31/05/2022 Version: 6.0.0