Röchling

Industrial

Technical Data Sheet

Polystone® M MDT

Product characteristics

- Metal detectable
- High abrasion resistance
- Good sliding behaviour

Product applications

- Food processing industry
- Packaging industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	>1,0
Water absorption	DIN EN ISO 62	%	<0,05
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Molecular weight	-	10^6 g/mol	~ 9
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	>19
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>600
Shore hardness	DIN EN ISO 868	scale D	>63
Thermal properties			
Melting temperature	ISO 11357-3	°C	130 ... 135
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	150 ... 230
Service temperature, long term	Average	°C	-200 ... 80
Service temperature, short term (max.)	Average	°C	130
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	$>10^{14}$
Surface resistivity	DIN EN 62631-3-2	Ω	$>10^{14}$

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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INTEGRATED MANAGEMENT SYSTEM