Röchling

Industrial

Technical Data Sheet

Formaterm® PS-HI sign/advertising

Product characteristics

- High impact strength and stiffness
- Very good printable

Product applications

- Visual communication
- Advertising technology

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,04
Water absorption	DIN EN ISO 62	%	0,2 – 0,3
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	21
Elongation at break	DIN EN ISO 527	%	60
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1850
Notched impact strength	DIN EN ISO 179	kJ / m^2	10
Shore hardness	DIN EN ISO 868	scale D	80
Thermal properties			
Glass transition temperature	ISO 11357-3	°C	95 – 100
Thermal conductivity	DIN 52612-1	W / (m * K)	0,18
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	70
Service temperature, long term	Average	°C	-10 ... 80
Service temperature, short term (max.)	Average	°C	75 – 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	99
Electrical properties			
Dielectric constant	IEC 60250		2,50
Dielectric dissipation factor (10^6 Hz)	IEC 60250		0,0004
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10^{16}
Surface resistivity	DIN EN 62631-3-2	Ω	>10^{15}
Dielectric strength	IEC 60243	kV / mm	40

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