Röchling

Industrial

Technical Data Sheet

Maywoflamm® ABS 1651

Product characteristics

- Flame retardant
- Vacuum formable

Product applications

- Industrial applications
- Housing

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,22
Flammability (Thickness 2,5 mm)	UL 94		5VA
Flammability (Thickness 2,1 mm)	UL 94		V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	40
Elongation at break	DIN EN ISO 527	%	28
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1700
Notched impact strength	DIN EN ISO 179	kJ / m^2	20
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	81
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	90
Service temperature, long term	Average	°C	70
Service temperature, short term (max.)	Average	°C	80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	79
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}
Dielectric strength	IEC 60243	kV / mm	20

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Date: 22/01/2019 Version: 2.0.0

INTEGRATED MANAGEMENT SYSTEM