Röchling

Industrial

Technical Data Sheet

Maywoflamm® ABS V0

Product characteristics

- Flame retardant
- Vacuum formable
- Semimat surface

Product applications

- Industrial applications
- Housing

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,20
Flammability (Thickness 1,6 mm)	UL 94		V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	36
Elongation at yield stress	DIN EN ISO 527	%	2,4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1876
Notched impact strength	DIN EN ISO 179	kJ / m^2	10
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	75
Service temperature, short term (max.)	Average	°C	85
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	95
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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INTEGRATED MANAGEMENT SYSTEM