Röchling

Industrial

Technical Data Sheet

Maywoflamm® ABS 1641

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		V0
Flammability (Thickness 3,2 mm)	UL 94		5VA
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	40
Elongation at break	DIN EN ISO 527	%	30
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1800
Notched impact strength	DIN EN ISO 179	kJ / m^2	17
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	78
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	85
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

The information and recommendations contained in this document are based upon data collected by Röchling Maywo and believed to be correct. However, no warranty of fitness for use or any other guarantees or warranty of any kind, expressed or implied, is made to the information contained herein, and Röchling Maywo assumes no responisbility for the results of the use of products and processes described herein.

Röchling Industrial Allgäu GmbH
Hinter den Gärten 20 • D-87730 Bad Grönenbach-Thal • Tel. + 49 83 34 / 98 57-0 • Fax + 49 83 34 / 98 57-57
info@roechling-maywo.de • www.roechling.com/industrial
Date: 22/01/2019 Version: 2.0.0

INTEGRATED MANAGEMENT SYSTEM