Röchling

Industrial

Technical Data Sheet

Maywosol ASA

Product characteristics

- Vacuum formable
- UV-resistant
- High impact strength

Product applications

- Outdoor applications
- Housing

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,10
Water absorption	DIN EN ISO 62	%	0,35
Flammability (Thickness 1,6 mm)	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	27
Elongation at break	DIN EN ISO 527	%	66
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1800
Notched impact strength	DIN EN ISO 179	kJ / m^2	30
Shore hardness	DIN EN ISO 868	scale D	70
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	95
Service temperature, long term	Average	°C	75
Service temperature, short term (max.)	Average	°C	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	92
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

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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
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INTEGRATED MANAGEMENT SYSTEM