Röchling

Industrial

Technical Data Sheet

Maywo® ABS glossy

Product characteristics

- Vacuum formable
- Glossy surface

Product applications

- Industrial applications
- Visual applications

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,10
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB
Flammability (Thickness 1,0; 1,5 mm)	DIN 4102		B2*
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	43
Elongation at break	DIN EN ISO 527	%	57
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m^2	14
Rockwell hardness	DIN EN ISO 2039-2	scale R	110
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	90
Service temperature, long term	Average	°C	85
Service temperature, short term (max.)	Average	°C	95
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	104
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

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* For classification according DIN 4102, the finished component has to be tested.

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INTEGRATED MANAGEMENT SYSTEM