

Technical Data Sheet

Maywosol ABS/PMMA mat

Product characteristics

- UV-resistant
- Vacuum formable
- High chemical resistance

Product applications

- Housing
- Outdoor 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
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	38
Elongation at break	DIN EN ISO 527	%	47
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2148
Notched impact strength	DIN EN ISO 179	kJ / m ²	14
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	100
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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