

Technical Data Sheet

Maywotron® PS H pure

PS

Typical industries

- Vacuum Forming
- Electronics

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,08
Water absorption	DIN EN ISO 62	%	<0,1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	16,6
Elongation at yield stress	DIN EN ISO 527	%	1,2
Elongation at break	DIN EN ISO 527	%	61,1
Tensile strength	DIN EN ISO 527	MPa	1580
Notched impact strength	DIN EN ISO 179	kJ / m ²	6,5
Thermal properties			
Melting temperature	ISO 11357-3	°C	>170°C
Thermal conductivity	DIN 52612-1	W / (m * K)	90
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	90
Service temperature, long term	Average	°C	80
Service temperature, short term (max.)	Average	°C	95
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	98
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	10 ² - 10 ⁴
Volume resistivity	DIN EN 61340	Ω	10 ² - 10 ⁴

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 11/09/2026 • Release: 09/09/2026 • Version: 2.0

PIM-ID: 751718 • PIM-Code: 58-91-4.8

Company-IDs: 20070

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