

Technical Data Sheet

Maywo® PS HI

PS

Typical characteristics

- Good impact strength
- Recyclability

Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,06
Water absorption	DIN EN ISO 62	%	< 0,1
Flammability (Thickness 1,5 mm)	UL 94		HB*
Flammability (Thickness 1,0; 1,5 mm)	DIN 4102		B2**
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	20
Elongation at break	DIN EN ISO 527	%	72
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1730
Notched impact strength	DIN EN ISO 179	kJ / m ²	8
Thermal properties			
Melting temperature	ISO 11357-3	°C	>170°C
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	80
Service temperature, short term (max.)	Average	°C	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	90
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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

Print: 05/12/2025 • Release: 28/04/2025 • Version: 4.0
PIM-Version: 71 • PIM-ID: 709674 • PIM-Code: 71-23-162.3-4-9
Company-IDs: 20070

Page 1 / 2 (Dates in DD/MM/YYYY)



The information and recommendations contained in this document are based upon data collected by Röchling Industrial Allgäu 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 Industrial Allgäu assumes no responsibility for the results of the use of products and processes described herein.

* internal test

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



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

Print: 05/12/2025 • Release: 28/04/2025 • Version: 4.0
PIM-Version: 71 • PIM-ID: 709674 • PIM-Code: 71-23-162.3-4-9
Company-IDs: 20070

Page 2 / 2 (Dates in DD/MM/YYYY)

