

## Technical Data Sheet

# Maywo® ABS FT

ABS

### Typical characteristics

- High impact strength even at low temperatures
- Semimat surface

### Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,10
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB*
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	37
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1820
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	33 (23°C) / 18 (-20°C)
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	>180°C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / 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	97
<b>Electrical properties</b>			
Surface resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>

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

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 30/05/2026 • Release: 31/01/2025 • Version: 4.0  
 PIM-ID: 709666 • PIM-Code: 82-23-13.13-4-8  
 Company-IDs: 20070

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

