

## Technical Data Sheet

# Maywo<sup>®</sup> ABS matt

ABS

### Typical characteristics

- Mat 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 1,5 mm)	UL 94		HB*
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	24
Elongation at break	DIN EN ISO 527	%	51
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1595
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	9
Rockwell hardness	DIN EN ISO 2039-2	scale R	97
<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	85
Service temperature, short term (max.)	Average	°C	100
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	101
<b>Electrical properties</b>			
Surface resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>

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\*internal test

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Print: 01/05/2026 • Release: 31/10/2023 • Version: 2.0

PIM-ID: 709668 • PIM-Code: 58-23-17-4-8

Company-IDs: 20070

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