

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
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,10
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB*
Mechanical properties			
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 ²	33 (23°C) / 18 (-20°C)
Thermal properties			
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 ⁻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	97
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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*internal test

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