

Technical Data Sheet

Maywoflamm[®] ABS MA

ABS

Typical characteristics

- Mat surface
- Flame retardant

Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,2
Flammability	UL 94		V0 (All C. 2,0mm)/ 5VA (NC 3,0mm)
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	25
Elongation at break	DIN EN ISO 527	%	49
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1814
Notched impact strength	DIN EN ISO 179	kJ / m ²	7
Thermal properties			
Melting temperature	ISO 11357-3	°C	>180
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	90
Service temperature, long term	Average	°C	75
Service temperature, short term (max.)	Average	°C	85
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	85
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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

