

Technical Data Sheet

Maywoflamm[®] PC/ABS

Typical characteristics

- Vacuum formable
- Fulfills the relevant rail vehicle standards, e.g. DIN 5510
- Flame retardant

Typical industries

- Vehicle Construction
- Vacuum Forming

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,22
Water absorption	DIN EN ISO 62	%	0,2
Flammability	UL 94		V0 (1,5mm)
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	65
Elongation at break	DIN EN ISO 527	%	60
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2710
Notched impact strength	DIN EN ISO 179	kJ / m ²	40
Thermal properties			
Melting temperature	ISO 11357-3	°C	> 220
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	68
Service temperature, long term	Average	°C	95
Service temperature, short term (max.)	Average	°C	110
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	113
Electrical properties			
Surface resistivity	DIN EN 61340	Ohm	> 10 ¹²
Volume resistivity	DIN EN 61340	Ohm	> 10 ¹²

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