

Technical Data Sheet

Maywoflamm[®] ECE lightweight

ABS

Typical characteristics

- Mat surface
- Base Material: ABS

Typical industries

- Vacuum Forming
- Bus
- Vehicle Construction

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,92
Water absorption	DIN EN ISO 62	%	0,3
Flammability	ECE R118		Annex 6, 7, 8 (3,0-6,0 mm)
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	20,5
Elongation at break	DIN EN ISO 527	%	15
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1460
Notched impact strength	DIN EN ISO 179	kJ / m ²	5
Thermal properties			
Melting temperature	ISO 11357-3	°C	>180°C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,11
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
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	>10 ¹²
Volume resistivity	DIN EN 61340	Ω	>10 ¹²

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