

Technical Data Sheet

Maywoflamm[®] ABS black

Product characteristics

- Flame retardant
- Vacuum formable

Product applications

- Industrial applications
- Housing

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,22
Flammability (Thickness 1,5; 2,5-2,7 mm)	UL 94		V0
Flammability (Thickness 2,5-2,7 mm)	UL 94		5VB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	42
Elongation at break	DIN EN ISO 527	%	8
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1900
Notched impact strength	DIN EN ISO 179	kJ / m ²	20
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	91
Thermal properties			
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	70
Service temperature, short term (max.)	Average	°C	80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	79
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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