

Technical Data Sheet

Maywoflamm[®] PS

Product characteristics

- Vacuum formable
- Flame retardant

Product applications

- Electronic industry
- Housing
- Industrial applications

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,13
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5 mm)	UL 94		V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	23
Elongation at break	DIN EN ISO 527	%	50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1950
Notched impact strength	DIN EN ISO 179	kJ / m ²	6
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	98
Glow wire test	DIN EN 60695-2	°C	850 (1,6mm)
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

* = specific material mixture

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