Technical Data Sheet

Maywoflamm® plus SPX

PC

Typical characteristics

- Certified according to EN 45545-2

Typical industries

- Vacuum Forming
- Rail Technology and Vehicles

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,30
Flammability	EN 45545		HL3 (R1, R6 - 2-6mm)
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	55
Elongation at break	DIN EN ISO 527	%	31
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3925
Notched impact strength	DIN EN ISO 179	kJ / m^2	22
Bending strength	DIN EN ISO 178	MPa	91
Thermal properties			
Melting temperature	ISO 11357-3	°C	> 220 °C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	65
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	108
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

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