Technical Data Sheet

Maywoflamm® plus

PC / ABS

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	1,35
Flammability	EN 45545		HL 2 R1, R6 (2-4mm)
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	51
Elongation at break	DIN EN ISO 527	%	4
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4650
Notched impact strength	DIN EN ISO 179	kJ / m^2	4
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
Service temperature, long term	Average	°C	90
Service temperature, short term (max.)	Average	°C	110
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	100
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

It is recommended to pre-dry Maywoflamm® plus before thermoforming at 80°C for 3 to 4 hours. The processing temperature of Maywoflamm® plus is between 165°C and 205°C. An expected post mold shrinkage will typically be in the range of 0,2-0,4%.

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