

Technical Data Sheet

Maywoflamm[®] plus

PC / ABS

Typical characteristics

- Certified according to EN 45545-2

Typical industries

- 真空成型
- 轨道技术和车辆

	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 resistivity	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%.

The information and recommendations contained in this document are based upon data collected by Röchling Industrial Allgäu and believed to be correct. However, no warranty of fitness for use or any other guarantees or warranty of any kind, expressed or implied, is made to the information contained herein. Röchling Industrial Allgäu assumes no responsibility for the results of the use of products and processes described herein.

ri-inquiry@roebling.com • www.roebling.com/industrial/materials

Print: 03/07/2025 • Release: 27/09/2023 • Version: 3.0
 PIM-Version: 133 • PIM-ID: 709695 • PIM-Code: 133-18-16-4.11-4.12
 Company-IDs: 20070

Page 1 / 1 (Dates in DD/MM/YYYY)

