

Maywoflamm® plus

Product characteristics

- Fire retardant material specifically for the railway industry

Thermoforming

- It is recommended to pre-dry Maywoflamm plus before thermoforming at 80 °C for 3 to 24 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 0,3 – 0,6 %

	Test method	Unit	Value
General properties			
Density	DIN EN ISO 1183-1	g/cm ³	1,35
Water absorption	DIN EN ISO 62	%	-
Flammability (Thickness 2-5 mm)	EN 45545-2 R1/R6	-	HL2
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
Rockwell hardness	DIN EN ISO 2039-2	scale R	-
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	65
Service temperature, long term	Average	°C	90
Service temperature, short term (max.)	Average	°C	110
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	100
Electrical properties			
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²

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