

Technical Data Sheet



Maywoflamm[®] plus RC

Typical characteristics

- meets the relevant requirements of the new European Rail Vehicle Standard DIN EN 45545-2:2013

Typical industries

- Rail Technology and Vehicles

Sustainability

- Post-Industrial-Recycling material
- The use of recycled materials conserves valuable resources

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,35
Flammability (2-4mm)	EN 45545-2 R1/R6		HL2
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	59
Elongation at break	DIN EN ISO 527	%	3
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4463
Notched impact strength	DIN EN ISO 179	kJ / m ²	3
Thermal properties			
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	96
Electrical properties			
Surface resistivity	DIN EN 61340	Ohm	> 10 ¹²
Volume resistivity	DIN EN 61340	Ohm	> 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%.

