Röchling

Industrial

Technical Data Sheet

Maywoflamm® ECE

Product characteristics

- Flame retardant
- Vacuum formable
- Base Material: ABS

Product applications

- Transportation industry
- Bus industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,16
Flammability (1,5 mm - 7 mm)	ECE R 118-03 (annex VI, VII & VIII)		passed
Shrinkage		%	0,4-0,6
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	26
Elongation at break	DIN EN ISO 527	%	32
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1889
Notched impact strength	DIN EN ISO 179	kJ / m^2	7
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	90
Service temperature, long term	Average	°C	80
Service temperature, short term (max.)	Average	°C	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	96
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

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INTEGRATED MANAGEMENT SYSTEM