

POLIFOR® 5003/V2-EP

Polypropylene, copolymer, UL94 V2, low halogen content, antimony oxide free

Rheological properties

Melt mass-flow rate	15 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	1400 MPa	ISO 527-1/-2
Yield stress, 50mm/min	25 MPa	ISO 527-1/-2
Yield strain, 50mm/min	6 %	ISO 527-1/-2
Strain at break, 50mm/min	>50 %	ISO 527-1/-2
Flexural Modulus	1400 MPa	ISO 178
Flexural Strength	30 MPa	ISO 178
Charpy impact strength, 23°C	>80 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	5 kJ/m ²	ISO 179/1eA

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-2 class	UL 94
Burning Behav. at thickness h	V-2 class	UL 94
UL recognition	yes	UL 94

Other properties

Density	930 kg/m ³	ISO 1183
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Injection

Drying Temperature	80 - 100 °C
Drying Time, Dehumidified Dryer	2 - 3 h
Max. mould temperature	30 - 60 °C

Characteristics

Additives	Flame retardant
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Processing Texts

Longer pre-drying times/storage	This product should be stored in a covered facility and kept away from moisture and heat.
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