

POLIFOR® 5220/V0-EP WOD

Polypropylene, copolymer, 20% mineral filled, UL94 V0, PBDE free.

Rheological properties

Melt mass-flow rate	12 g/10min	ISO 1133
Melt mass-flow rate, Temperature	230 °C	
Melt mass-flow rate, Load	2.16 kg	

Typical mechanical properties

Tensile Modulus	3200 MPa	ISO 527-1/-2
Yield stress, 50mm/min	22 MPa	ISO 527-1/-2
Flexural Modulus	3000 MPa	ISO 178
Flexural Strength	35 MPa	ISO 178
Charpy impact strength, 23°C	35 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	2.8 kJ/m ²	ISO 179/1eA

Thermal properties

RTI, electrical, 1.5mm	90 °C	UL 746B
RTI, impact, 1.5mm	90 °C	UL 746B
RTI, strength, 1.5mm	90 °C	UL 746B

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0 class	UL 94
Thickness tested	1.5 mm	UL 94
UL recognition	yes	UL 94
Glow Wire Flammability Index, 3.0mm	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature, 3.0mm	725 °C	IEC 60695-2-13

Physical/Other properties

Density	1350 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, Mineral Filler
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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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