

POLIFOR® 5220/V0-EP WOD

POLIFOR®

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

Product information

Resin Identification	PP-T20	ISO 1043
Part Marking Code	>PP-T20<	ISO 11469

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
Tensile stress at yield, 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
Poisson's ratio	0.37 ^[C]	

[C]: Calculated

Thermal properties

Vicat softening temperature, 50 °C/h 50N	72 °C	ISO 306
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	IEC 60695-11-10
Thickness tested	1.5 mm	IEC 60695-11-10
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
FMVSS Class	SE	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1350 kg/m ³	ISO 1183
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Characteristics

Processing	Injection Moulding
Additives	Flame retardant, Mineral Filler
Special characteristics	Flame retardant

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Additional information

Processing Notes

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

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