

OMNICARB® PBTFRGF10R BK1100

Rheological properties

Melt mass-flow rate	10 g/10min	ISO 1133
Melt mass-flow rate, Temperature	250 °C	

Typical mechanical properties

Tensile Modulus	3500 MPa	ISO 527-1/-2
Stress at break, 5mm/min	52 MPa	ISO 527-1/-2
Strain at break, 5mm/min	5 %	ISO 527-1/-2
Flexural Modulus	3000 MPa	ISO 178
Flexural Strength	83 MPa	ISO 178

Thermal properties

Temp. of deflection under load, 1.8 MPa	90 °C	ISO 75-1/-2
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Flammability

Burning Behav. at thickness h	5VA class	UL 94
Thickness tested	2.50 mm	UL 94

Other properties

Density	1340 kg/m ³	ISO 1183
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Injection

Drying Temperature	120 - 130 °C
Drying Time, Dehumidified Dryer	4 h
Processing Moisture Content	0.02 %
Max. mould temperature	65 - 93 °C
Injection speed	medium-fast