

Oxford Polymers 10GF 10% Glass Fiber Reinforced Polyetherimide/Polycarbonate Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polyetherimide (PEI)

Material Notes:

10% Glass Fiber Reinforced Polyetherimide/Polycarbonate Alloy Information provided by Oxford Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-10GF-10-Glass-Fiber-Reinforced-PolyetherimidePolycarbonate-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Filler Content	10 %	10 %	
Water Absorption	0.25 %	0.25 %	ASTM D570
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	15000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Temperature 23.0 °C	1.10 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	193 °C	380 °F	ASTM D648

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