

Oxford Polymers 40GF 40% Glass Fiber Filled Polycarbonate for Injection Molding

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 40% Glass Filled

Material Notes:

40% Glass Fiber Filled Polycarbonate for Injection Molding Information provided by Oxford Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-40GF-40-Glass-Fiber-Filled-Polycarbonate-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Filler Content	40 %	40 %	
Linear Mold Shrinkage	0.0015 cm/cm	0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	159 MPa	23000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Tensile Modulus	11.6 GPa	1680 ksi	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Compressive Strength	145 MPa	21000 psi	ASTM D695
Izod Impact, Notched	0.961 J/cm @Temperature 23.0 °C	1.80 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	154 °C	310 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	293 °C	560 °F	
Back Pressure	103 MPa	15000 psi	Mold pressure

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China