

Oxford Polymers Oxnilon 6-14GF 14% Glass Fiber Filled Nylon 6 for Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 10% Glass Fiber Filled

Material Notes:

14% Glass Fiber Filled Nylon 6 for Injection Molding Information provided by Oxford Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-Oxnilon-6-14GF-14-Glass-Fiber-Filled-Nylon-6-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Filler Content	14 %	14 %	
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	152 MPa	22000 psi	ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 23.0 °C	1.00 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	219 °C	426 °F	
Deflection Temperature at 1.8 MPa (264 psi)	199 °C	390 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	260 - 271 °C	500 - 520 °F	

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