

Oxford Polymers Oxnilon 6-50GF 50% Glass Fiber Filled Nylon 6 for Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

50% 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-6-50GF-50-Glass-Fiber-Filled-Nylon-6-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ASTM D792
Filler Content	50 %	50 %	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	207 MPa	30000 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	345 MPa	50000 psi	ASTM D790
Flexural Modulus	13.8 GPa	2000 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 23.0 °C	2.00 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	271 - 288 °C	520 - 550 °F	

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