

Oxford Polymers Oxnilon 6-43GF 43% Glass Fiber Filled Nylon 6 for Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Glass Fiber Filled

Material Notes:

43% 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-6-43GF-43-Glass-Fiber-Filled-Nylon-6-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Filler Content	43 %	43 %	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	193 MPa	28000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	310 MPa	45000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Temperature 23.0 °C	1.50 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)	211 °C	412 °F	ASTM D648

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

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