

Oxford Polymers Oxnilon 66-50GF 50% Glass Fiber Filled Nylon 66 for Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

50% Glass Fiber Filled Nylon 66 for Injection Molding Information provided by Oxford Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oxford-Polymers-Oxnilon-66-50GF-50-Glass-Fiber-Filled-Nylon-66-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ASTM D792
Filler Content	50 %	50 %	
Linear Mold Shrinkage	0.0015 cm/cm	0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	ASTM D638
Tensile Strength, Yield	200 MPa	29000 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	290 MPa	42000 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	263 °C	505 °F	
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	293 - 304 °C	560 - 580 °F	

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