

## Oxford Polymers Oxnilon 66-33GF 33% Glass Fiber Filled Nylon 66 for Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

**Material Notes:**

33% 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-66-33GF-33-Glass-Fiber-Filled-Nylon-66-for-Injection-Molding.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-Oxnilon-66-33GF-33-Glass-Fiber-Filled-Nylon-66-for-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Filler Content	33 %	33 %	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	172 MPa	25000 psi	ASTM D638
Tensile Strength, Yield	172 MPa	25000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
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
Melting Point	262 °C	504 °F	
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	288 - 304 °C	550 - 580 °F	

### Contact Songhan Plastic Technology Co.,Ltd.

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