

Wellman Wellamid® GFT15N050-BK2 15% Glass Fiber Toughened Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Toughened Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFT15N050-BK2-15-Glass-Fiber-Toughened-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183-87
Filler Content	15 %	15 %	
Linear Mold Shrinkage, Flow	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0075 - 0.0115 cm/cm	0.0075 - 0.0115 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-93
Elongation at Break	3.5 %	3.5 %	ISO 527-93
Flexural Strength	125 MPa	18100 psi	ISO 178-93
Flexural Modulus	4.10 GPa	595 ksi	ISO 178-93
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-93

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