

Wellman Wellamid® GF1750-N1 50% Glass Fiber Reinforced Nylon 6

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

Material Notes:

Description: Glass Fiber Reinforced Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF1750-N1-50-Glass-Fiber-Reinforced-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in³	ISO 1183-87
Filler Content	50 %	50 %	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	250 MPa	36300 psi	ISO 527-93
Elongation at Break	2.6 %	2.6 %	ISO 527-93
Flexural Strength	355 MPa	51500 psi	ISO 178-93
Flexural Modulus	15.3 GPa	2220 ksi	ISO 178-93
Izod Impact, Notched (ISO)	20.3 kJ/m²	9.66 ft-lb/in²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75-93

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