

Wellman Wellamid® GFT1525-BK 15% Glass Fiber Reinforced, Impact Modified Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFT1525-BK-15-Glass-Fiber-Reinforced-Impact-Modified-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183-87
Filler Content	15 %	15 %	
Linear Mold Shrinkage, Flow	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0085 - 0.0105 cm/cm	0.0085 - 0.0105 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	ISO 527-93
Elongation at Break	3.5 %	3.5 %	ISO 527-93
Flexural Strength	145 MPa	21000 psi	ISO 178-93
Flexural Modulus	4.30 GPa	624 ksi	ISO 178-93
Izod Impact, Notched (ISO)	9.50 kJ/m ²	4.52 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ISO 75-93

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