

Wellman Wellamid® GF43-66 XE-NBK1 43% Glass Fiber Reinforced, Engineering Grade Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced, Engineering Grade Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF43-66-XE-NBK1-43-Glass-Fiber-Reinforced-Engineering-Grade-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183-87
Filler Content	43 %	43 %	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.010 - 0.012 cm/cm	0.010 - 0.012 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	180 MPa	26100 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	275 MPa	39900 psi	ISO 178-93
Flexural Modulus	12.5 GPa	1810 ksi	ISO 178-93
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 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)	245 °C	473 °F	ISO 75-93

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