

Wellman Wellamid® GF25-66 XE-NBK1 25% Glass Fiber Reinforced, Engineering Grade Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 30% Carbon 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-GF25-66-XE-NBK1-25-Glass-Fiber-Reinforced-Engineering-Grade-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ISO 1183-87
Filler Content	25 %	25 %	
Linear Mold Shrinkage, Flow	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ISO DIS 294-5
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO 527-93
Elongation at Break	3.0 %	3.0 %	ISO 527-93
Flexural Strength	220 MPa	31900 psi	ISO 178-93
Flexural Modulus	7.50 GPa	1090 ksi	ISO 178-93
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 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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