

Wellman Wellamid® GFT1835-WBK1 Nylon 66, 17% Glass Fiber Reinforced, Impact Modified

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

Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFT1835-WBK1-Nylon-66-17-Glass-Fiber-Reinforced-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	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	4.90 GPa	711 ksi	ISO 178-93
Poissons Ratio	0.35	0.35	
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 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)	215 °C	419 °F	ISO 75-93

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