

Wellman Wellamid® GFT1699-WBK1 13% Glass Fiber Reinforced, Weatherable Black Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced, Weatherable Black Nylon 66Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFT1699-WBK1-13-Glass-Fiber-Reinforced-Weatherable-Black-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183-87
Filler Content	13 %	13 %	
Linear Mold Shrinkage, Flow	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527-93
Elongation at Break	4.0 %	4.0 %	ISO 527-93
Flexural Strength	115 MPa	16700 psi	ISO 178-93
Flexural Modulus	3.90 GPa	566 ksi	ISO 178-93
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 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)	170 °C	338 °F	ISO 75-93

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