

Wellman Wellamid® GFX1743-BK1(PTFE) 45% Glass Fiber Reinforced, Enhanced Lubrication Nylon 66/6

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66

Material Notes:

Description: Glass Fiber Reinforced, Enhanced Lubrication Nylon 66/6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GFX1743-BK1PTFE-45-Glass-Fiber-Reinforced-Enhanced-Lubrication-Nylon-666.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ISO 1183-87
Filler Content	45 %	45 %	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	185 MPa	26800 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	270 MPa	39200 psi	ISO 178-93
Flexural Modulus	12.9 GPa	1870 ksi	ISO 178-93
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 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)	225 °C	437 °F	ISO 75-93

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