

Wellman Wellamid® GF33A099 HR 33% Glass Fiber Reinforced, Hydrolysis Resistant Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 30% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced, Hydrolysis Resistant Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF33A099-HR-33-Glass-Fiber-Reinforced-Hydrolysis-Resistant-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	ISO 1183-87
Filler Content	33 %	33 %	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	195 MPa	28300 psi	ISO 527-93
Elongation at Break	5.0 %	5.0 %	ISO 527-93
Flexural Strength	285 MPa	41300 psi	ISO 178-93
Flexural Modulus	9.75 GPa	1410 ksi	ISO 178-93
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 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)	250 °C	482 °F	ISO 75-93
Flammability, UL94	HB	HB	
	@Thickness 0.790 mm	@Thickness 0.0311 in	

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