

Wellman Wellamid® GS1791-N2 5% Glass Sphere Reinforced, Natural Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

Material Notes:

Description: Glass Sphere Reinforced, Natural Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GS1791-N2-5-Glass-Sphere-Reinforced-Natural-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183-87
Filler Content	5 %	5 %	
Linear Mold Shrinkage	0.018 - 0.028 cm/cm	0.018 - 0.028 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527-93
Elongation at Break	2.5 %	2.5 %	ISO 527-93
Flexural Strength	105 MPa	15200 psi	ISO 178-93
Flexural Modulus	3.00 GPa	435 ksi	ISO 178-93
Izod Impact, Notched (ISO)	2.60 kJ/m ²	1.24 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)	75.0 °C	167 °F	ISO 75-93

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