

Wellman Wellamid® GS1857-BK1 Nylon 66, 15% Glass Sphere Reinforced

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

Material Notes:

Developmental product All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GS1857-BK1-Nylon-66-15-Glass-Sphere-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183-87
Linear Mold Shrinkage	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	110 MPa	16000 psi	ISO 178-93
Flexural Modulus	3.90 GPa	566 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 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)	85.0 °C	185 °F	ISO 75-93

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