

Wellman Wellamid® GS1684-WBK1 25% Glass Sphere Filled Nylon 66

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

Material Notes:

Description: Glass Sphere Filled Nylon 66Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GS1684-WBK1-25-Glass-Sphere-Filled-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ISO 1183-87
Filler Content	25 %	25 %	
Linear Mold Shrinkage, Flow	0.0135 - 0.015 cm/cm	0.0135 - 0.015 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0135 - 0.015 cm/cm	0.0135 - 0.015 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	1.5 %	1.5 %	ISO 527-93
Flexural Strength	115 MPa	16700 psi	ISO 178-93
Flexural Modulus	3.95 GPa	573 ksi	ISO 178-93
Izod Impact, Notched (ISO)	1.50 kJ/m ²	0.714 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)	80.0 °C	176 °F	ISO 75-93

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