

Wellman Wellamid® GSF25/15-66 22L-NBK1 40% Glass Sphere/Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Glass Sphere/Fiber Reinforced Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GSF2515-66-22L-NBK1-40-Glass-SphereFiber-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage, Flow	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527-93
Elongation at Break	2.5 %	2.5 %	ISO 527-93
Flexural Strength	170 MPa	24700 psi	ISO 178-93
Flexural Modulus	7.30 GPa	1060 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.20 kJ/m ²	1.52 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)	230 °C	446 °F	ISO 75-93

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