

Wellman EcoLon® MRGF1619-BK3 19% Mineral/Glass Reinforced Post Consumer Compound Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Glass/Mineral Filled

Material Notes:

Description: Mineral/Glass Reinforced Post Consumer Compound Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-EcoLon-MRGF1619-BK3-19-MineralGlass-Reinforced-Post-Consumer-Compound-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183-87
Filler Content	19 %	19 %	
Linear Mold Shrinkage, Flow	0.011 - 0.0114 cm/cm	0.011 - 0.0114 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	73.0 MPa	10600 psi	ISO 527-93
Elongation at Break	6.0 %	6.0 %	ISO 527-93
Flexural Strength	115 MPa	16700 psi	ISO 178-93
Flexural Modulus	3.85 GPa	558 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)	160 °C	320 °F	ISO 75-93

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