

Wellman Wellamid® MRGST1715-WBK1 Nylon 6, 25% Mineral and Glass Sphere Reinforced, Impact Modified, Weatherable Grade

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MRGST1715-WBK1-Nylon-6-25-Mineral-and-Glass-Sphere-Reinforced-Impact-Modified-Weatherable-Grade.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	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	7.0 %	7.0 %	ISO 527-93
Flexural Strength	95.0 MPa	13800 psi	ISO 178-93
Flexural Modulus	4.50 GPa	653 ksi	ISO 178-93
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75-93

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