

Wellman Wellpet® MRGF102-BK1 PET, 35% Mineral/Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Typical data obtained from injection molded test bars, tested dry as molded at 73°F (23°C). Information provided by Wellman, Inc. Engineering Resins Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellpet-MRGF102-BK1-PET-35-MineralGlass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183-87
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	115 MPa	16700 psi	ISO 527-93
Elongation at Break	1.7 %	1.7 %	ISO 527-93
Flexural Yield Strength	150 MPa	21800 psi	ISO 178-93
Flexural Modulus	10.6 GPa	1540 ksi	ISO 178-93
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	250 °C	482 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75-93

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