

Wellman Wellpet® GF100-N1 30% Glass Fiber Reinforced, Natural PET

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

Description: Glass Fiber Reinforced, Natural PET Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellpet-GF100-N1-30-Glass-Fiber-Reinforced-Natural-PET.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ISO 1183-87
Filler Content	30 %	30 %	
Linear Mold Shrinkage, Flow	0.0010 - 0.0050 cm/cm	0.0010 - 0.0050 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	190 MPa	27600 psi	ISO 178-93
Flexural Modulus	9.80 GPa	1420 ksi	ISO 178-93
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	250 °C	482 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	ISO 75-93

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