

Wellman Wellpet® FRGF116-BK1 Polyethylene Terephthalate, 30% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass Fiber Filled, Flame Retardant

Material Notes:

All information provided by Wellman Engineered Resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellpet-FRGF116-BK1-Polyethylene-Terephthalate-30-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	ISO 1183-87
Linear Mold Shrinkage, Flow	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	DIS 294-4
Linear Mold Shrinkage, Transverse	0.0050 - 0.0090 cm/cm	0.0050 - 0.0090 in/in	DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527-93
Elongation at Break	2.0 %	2.0 %	ISO 527-93
Flexural Strength	175 MPa	25400 psi	ISO 178-93
Flexural Modulus	10.5 GPa	1520 ksi	ISO 178-93
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 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)	210 °C	410 °F	ISO 75-93
Flammability, UL94	V-0 @Thickness 0.790 mm	V-0 @Thickness 0.0311 in	

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