

Custom Resins Vexel™ 5100 RD PBT; 15% Glass Filled (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

Improved Surface. Property data for dry as molded samples.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Custom-Resins-Vexel-5100-RD-PBT-15-Glass-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	93.0 MPa	13500 psi	ASTM D638
Flexural Yield Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	216 °C	421 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	191 °C	376 °F	ASTM D648

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