

Nylene® Vexel™ B12GF30 FR , 30% Glass Reinforced, Flame Retardant PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

Description: Vexel™ B12GF30 FR is a 30% glass fiber reinforced, flame retardant PBT. B12GF30 FR is UL approved. Information provided by Custom Resins. ALM, Nylene Canada, and Custom Resins are all operating companies of Polymeric Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nylene-Vexel-B12GF30-FR-30-Glass-Reinforced-Flame-Retardant-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.60 g/cc	1.60 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	117 MPa	17000 psi	ASTM D638
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	227 °C	440 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	191 °C	375 °F	ASTM D648

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