

Diamond Polymers DIAMALLOY FR530 PC/PBT Alloy, 30% Glass Filled Flame Retardant

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-DIAMALLOY-FR530-PCPBT-Alloy-30-Glass-Filled-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 265 °C	25 g/10 min @Load 4.76 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	114 MPa	16500 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	7.59 GPa	1100 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.850 J/cm @Thickness 3.17 mm	1.59 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	5VA @Thickness 1.59 mm	5VA @Thickness 0.0625 in	
	5VA @Thickness 3.17 mm	5VA @Thickness 0.125 in	

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