

Diamond Polymers DIAMALLOY 1418EF Polycarbonate/Polyester Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

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-1418EF-PolycarbonatePolyester-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 265 °C	18 g/10 min @Load 4.76 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.31 GPa	335 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	4.48 J/cm @Thickness 3.17 mm, Temperature -22.0 °C	8.39 ft-lb/in @Thickness 0.125 in, Temperature -7.60 °F	ASTM D256
	7.43 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	13.9 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

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