

## Diamond Polymers DIAMALLOY PCPBT 2525 PC/PBT Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , 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-PCPBT-2525-PCPBT-Alloy.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-DIAMALLOY-PCPBT-2525-PCPBT-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Melt Flow	24 g/10 min @Load 5.00 kg, Temperature 265 °C	24 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	59.4 MPa	8620 psi	chs 2.0 in/min; ASTM D638
Elongation at Yield	3.8 %	3.8 %	chs 2.0 in/min; ASTM D638
Flexural Strength	85.8 MPa	12400 psi	chs 0.05 in/min; ASTM D790
Flexural Modulus	2.184 GPa	316.8 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	8.01 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	15.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	138 °C @Load 1.00 kg, Thickness 3.17 mm	280 °F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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