

**Diamond Polymers DIAMALLOY 173U PC/Polyester Alloy**

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

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-DIAMALLOY-173U-PCPolyester-Alloy.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-DIAMALLOY-173U-PCPolyester-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.35 %	0.35 %	at equilibrium; ASTM D570
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.15 %	0.15 %	ASTM D570
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	35 g/10 min	35 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	61.0 MPa	8850 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	27 %	27 %	ASTM D638
Flexural Modulus	2.34 GPa	339 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China