

Plenco 51030 PET, Pellet, Injection Molded, Natural Color (discontinued **)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

PLENCO 51030 is an engineering grade glass reinforced recycled polyethylene terephthalate resin designed for good physical strength. It is UL listed. Information supplied by Plenco Plenco discontinued their PET product line in 2005.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-51030-PET-Pellet-Injection-Molded-Natural-Color-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
Linear Mold Shrinkage	0.00070 cm/cm	0.00070 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	164.7 MPa	23890 psi	ASTM D638
Elongation at Break	2.17 %	2.17 %	ASTM D638
Tensile Modulus	11.27 GPa	1635 ksi	ASTM D638
Flexural Yield Strength	248.8 MPa	36090 psi	ASTM D790
Flexural Modulus	10.13 GPa	1469 ksi	ASTM D790
Compressive Yield Strength	182.7 MPa	26500 psi	ASTM D695
Izod Impact, Notched	0.840 J/cm	1.57 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.70e+17 ohm-cm	1.70e+17 ohm-cm	ASTM D257
Dielectric Constant	2.1 @Frequency 1e+6 Hz	2.1 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	19.5 kV/mm	495 kV/in	Short Time; ASTM D149

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	225 V	225 V	ASTM D3638

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