

Plenco 51130 PET, Pellet, Injection Molded, Black (discontinued **)

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

Material Notes:

PLENCO 51130 is an engineering grade UL flame rated glass reinforced recycled polyethylene terephthalate resin designed for good physical strength. It is UL listed and available in black only. 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-51130-PET-Pellet-Injection-Molded-Black-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
Linear Mold Shrinkage	0.0011 cm/cm	0.0011 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	19	19	ASTM D785
Tensile Strength, Ultimate	133.4 MPa	19350 psi	ASTM D638
Elongation at Break	1.51 %	1.51 %	ASTM D638
Tensile Modulus	10.79 GPa	1565 ksi	ASTM D638
Flexural Yield Strength	199.7 MPa	28960 psi	ASTM D790
Flexural Modulus	10.58 GPa	1535 ksi	ASTM D790
Compressive Yield Strength	161.5 MPa	23420 psi	ASTM D695
Izod Impact, Notched	0.620 J/cm	1.16 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	221 °C	430 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.47 mm	V-0 @Thickness 0.0579 in	
Oxygen Index	31.5 %	31.5 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Electrical Resistivity	7.945e+15 ohm-cm	7.945e+15 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	15.0 kV/mm	381 kV/in	Short Time; ASTM D149
Dissipation Factor	0.011 @Frequency 1e+6 Hz	0.011 @Frequency 1e+6 Hz	ASTM D150
Arc Resistance	70 sec	70 sec	ASTM D495
Comparative Tracking Index	200 V	200 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