

Plenco 51030 PET, Pellet, Injection Molded, Black (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-Black-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ASTM D792
Water Absorption	0.040 %	0.040 %	ASTM D570
Linear Mold Shrinkage	0.00050 cm/cm	0.00050 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	21	21	ASTM D785
Tensile Strength, Ultimate	127.5 MPa	18490 psi	ASTM D638
Elongation at Break	1.41 %	1.41 %	ASTM D638
Tensile Modulus	11.93 GPa	1730 ksi	ASTM D638
Flexural Yield Strength	205.5 MPa	29810 psi	ASTM D790
Flexural Modulus	10.03 GPa	1455 ksi	ASTM D790
Compressive Yield Strength	175.7 MPa	25480 psi	ASTM D695
Izod Impact, Notched	0.660 J/cm	1.24 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	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.695e+16 ohm-cm	2.695e+16 ohm-cm	ASTM D257
Dielectric Constant	3.2 @Frequency 1e+6 Hz	3.2 @Frequency 1e+6 Hz	ASTM D150

Electrical Properties	Metric ^{mm}	English ⁱⁿ	Comments ^{ASTM D149}
Dissipation Factor	0.012 @Frequency 1e+6 Hz	0.012 @Frequency 1e+6 Hz	ASTM D150
Arc Resistance	70 sec	70 sec	ASTM D495
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