

Plenco 51015 PET, Pellet, Injection Molded, Black (discontinued **)

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

Material Notes:

PLENCO 51015 is an engineering grade glass reinforced recycled polyethylene terephthalate resin designed for increased flexibility and 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-51015-PET-Pellet-Injection-Molded-Black-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570
Linear Mold Shrinkage	0.0015 cm/cm	0.0015 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	96.3 MPa	14000 psi	ASTM D638
Elongation at Break	1.61 %	1.61 %	ASTM D638
Tensile Modulus	6.79 GPa	985 ksi	ASTM D638
Flexural Yield Strength	127.4 MPa	18480 psi	ASTM D790
Flexural Modulus	6.43 GPa	933 ksi	ASTM D790
Compressive Yield Strength	154.5 MPa	22410 psi	ASTM D695
Izod Impact, Notched	0.390 J/cm	0.731 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	206 °C	403 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.20e+16 ohm-cm	2.20e+16 ohm-cm	ASTM D257
Dielectric Constant	2.9 @Frequency 1e+6 Hz	2.9 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	15.8 kV/mm	401 kV/in	Short Time; ASTM D149

Electrical Properties	Metric	English	Comments
Dielectric Factor	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	ASTM D150
Arc Resistance	80 sec	80 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