

## Plenco 50015 PET, Pellet, Injection Molded Natural Color (discontinued \*\*)

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

### Material Notes:

PLENCO 50015 is an engineering grade glass reinforced polyethylene terephthalate resin designed for increased flexibility and good physical strength. It is UL recognized and available in white, natural, and black. Information supplied by PlencoPlenco discontinued their PET product line in 2005.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plenco-50015-PET-Pellet-Injection-Molded-Natural-Color-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-50015-PET-Pellet-Injection-Molded-Natural-Color-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.080 %	0.080 %	ASTM D570
Linear Mold Shrinkage	0.0016 cm/cm	0.0016 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100 MPa	14500 psi	ASTM D638
Elongation at Break	1.76 %	1.76 %	ASTM D638
Flexural Yield Strength	153.2 MPa	22220 psi	ASTM D790
Flexural Modulus	6.61 GPa	959 ksi	ASTM D790
Compressive Yield Strength	170.3 MPa	24700 psi	ASTM D695
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	214 °C	417 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.4345e+16 ohm-cm	5.4345e+16 ohm-cm	ASTM D257
Dielectric Constant	3.1 @Frequency 1e+6 Hz	3.1 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	16.9 kV/mm	429 kV/in	Short Time; ASTM D149

Electrical Properties	0.014 Metric	0.014 English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	225 V	225 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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