

## Plenco 51240 PET, Pellet, Injection Molded, Green (discontinued \*\*)

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

### Material Notes:

PLENCO 51240 is an engineering grade glass reinforced flame retarded recycled polyethylene terephthalate resin designed for excellent dimensional stability. It is UL listed. Information supplied by PlencoPlenco discontinued their PET product line in 2005.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plenco-51240-PET-Pellet-Injection-Molded-Green-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-51240-PET-Pellet-Injection-Molded-Green-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	115.2 MPa	16710 psi	ASTM D638
Elongation at Break	1.44 %	1.44 %	ASTM D638
Tensile Modulus	12.42 GPa	1801 ksi	ASTM D638
Flexural Yield Strength	182.7 MPa	26500 psi	ASTM D790
Flexural Modulus	10.4 GPa	1510 ksi	ASTM D790
Compressive Yield Strength	160.7 MPa	23310 psi	ASTM D695
Izod Impact, Notched	0.740 J/cm	1.39 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	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.50e+16 ohm-cm	2.50e+16 ohm-cm	ASTM D257
Dielectric Constant	3.7 @Frequency 1e+6 Hz	3.7 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	17.0 kV/mm	432 kV/in	Short Time; ASTM D149
	0.013	0.013	

Designation Factor Electrical Properties	Metric @ Frequency 1e+6 Hz	English @ Frequency 1e+6 Hz	ASTM D150 Comments
Arc Resistance	20 sec	20 sec	ASTM D495
Comparative Tracking Index	225 V	225 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

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