

Plenco 50335 PET, Pellet, Injection Molded, Black (discontinued **)

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

Material Notes:

PLENCO 50335 is an engineering grade glass reinforced polyethylene terephthalate resin designed for excellent dimensional stability. It is UL listed and available in white, natural, and black. 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-50335-PET-Pellet-Injection-Molded-Black-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0019 cm/cm	0.0019 in/in	ATM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	115.4 MPa	16740 psi	ASTM D638
Elongation at Break	1.72 %	1.72 %	ASTM D638
Tensile Modulus	9.42 GPa	1370 ksi	ASTM D638
Flexural Yield Strength	171.6 MPa	24890 psi	ASTM D790
Flexural Modulus	9.06 GPa	1310 ksi	ASTM D790
Compressive Yield Strength	170.4 MPa	24710 psi	ASTM D695
Izod Impact, Notched	0.510 J/cm	0.955 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0579 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 V	175 V	ASTM D3638

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