

Techmer ES HiFill[®] PET 0268 B1

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

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Barium Sulfate Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PET-0268-B1.php

Physical Properties	Metric	English	Comments
Density	2.68 g/cc	0.0968 lb/in ³	ASTM D792
Water Absorption	0.10 %	0.10 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	79.3 MPa	11500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 - 1.00e+14 ohm-cm	1.00e+13 - 1.00e+14 ohm-cm	ASTM D257

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