

Techmer ES HiFill® HDPE E GF40 40% Glass Filled

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded , High Density Polyethylene (HDPE), Glass fiber Filled

Material Notes:

Availability: North America**Forms:** Pellets**Filler/Reinforcement:** Glass Fiber Reinforcement, 40% Filler by Weight**Processing Method:** Extrusion**Information provided by** TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-HDPE-E-GF40-40-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	60.7 MPa	8800 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	91.0 MPa	13200 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	2.03 J/cm	3.80 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	34.2 Åµm/m-Å°C	19.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	143 Å°C	290 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	127 Å°C	260 Å°F	Unannealed; ASTM D648

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