

Techmer ES HiFill® PP 0159 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Unspecified Filler/Reinfor Features: High Density Processing Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PP-0159-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ASTM D792
Water Absorption	0.090 % @Time 86400 sec	0.090 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.013 cm/cm @Thickness 3.17 mm	0.013 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	17.2 MPa	2500 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Yield Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm @Thickness 3.17 mm	1.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	172 Â°C	341 Â°F	Unannealed; ASTM D648

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