

Techmer ES HiFill® TPU 0600

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Availability: North AmericaForms: PelletsFeatures: High DensityInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-TPU-0600.php

Physical Properties	Metric	English	Comments
Density	6.00 g/cc	0.217 lb/in ³	ASTM D792
Water Absorption	0.030 % @Time 86400 sec	0.030 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	55	55	ASTM D785
Tensile Strength, Yield	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Strength	14.5 MPa	2100 psi	ASTM D790
Flexural Modulus	0.345 GPa	50.0 ksi	ASTM D790
Izod Impact, Notched	3.74 J/cm @Thickness 3.17 mm	7.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.4 °C	175 °F	Unannealed; ASTM D648

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