

**Techmer ES HiFill<sup>®</sup> TPU 0780**

Category : Polymer , Thermoplastic , Polyurethane, TP

**Material Notes:**

Availability: North America Forms: Pellets Features: High Density Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-TPU-0780.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-TPU-0780.php)

Physical Properties	Metric	English	Comments
Density	7.80 g/cc	0.282 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.025 %	0.025 %	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	57	57	ASTM D785
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	13.1 MPa	1900 psi	ASTM D790
Flexural Modulus	0.414 GPa	60.0 ksi	ASTM D790
Izod Impact, Notched	3.20 J/cm	6.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.4 Å°C	175 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