

## Techmer ES HiFill® HIPS 0212

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-HIPS-0212.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-HIPS-0212.php)

Physical Properties	Metric	English	Comments
Density	2.12 g/cc	0.0766 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.050 % @Time 86400 sec	0.050 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm @Thickness 3.17 mm	0.0020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	19.3 MPa	2800 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	35.9 MPa	5200 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm @Thickness 3.17 mm	0.600 ft-lb/in @Thickness 0.125 in	ASTM D256

## Contact Songhan Plastic Technology Co.,Ltd.

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