

**Techmer ES HiFill® ABS 0350**

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-ABS-0350.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-ABS-0350.php)

Physical Properties	Metric	English	Comments
Density	3.50 g/cc	0.126 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.025 % @Time 86400 sec	0.025 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	0.80 g/10 min @Load 3.80 kg, Temperature 230 °C	0.80 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength	24.1 MPa	3500 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	26.9 MPa	3900 psi	ASTM D790
Flexural Modulus	0.0241 GPa	3.50 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.17 mm	3.00 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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