

**HiFill® PBT 613**

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flow                      • Good Processability
Appearance	• Colors Available              • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.30		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010	in/in	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	390000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	0.80	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	112		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	130	°F	ASTM D648
CLTE - Flow	7.0E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	410	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating	HB		UL 94

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
