

**HiFill® PC IM**

 Techmer Polymer Modifiers - *Polycarbonate*
**General Information**
**General**

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier • Proprietary [Siloxane Alloy]
Features	• High Impact Resistance
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.19		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.14	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	4.0	ft·lb/in	
73°F, 0.125 in	16	ft·lb/in	
73°F, 0.250 in	4.0	ft·lb/in	
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	114		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	270	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648
CLTE - Flow	3.8E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	380	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	V-2		UL 94

