

**HiFill® PSU LE NAT**

 Techmer Polymer Modifiers - *Polysulfone*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Appearance	• Colors Available      • Colors Available      • White
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.24		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	10800	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	375000	psi	ASTM D790
Flexural Strength	15900	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	120		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	359	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	345	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	550	V/mil	ASTM D149

