

HiFill® PSU 1700 LE Colors

 Techmer Polymer Modifiers - *Polysulfone*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Low Extractables
Appearance	<ul style="list-style-type: none"> Colors Available
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.47		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical			
Tensile Strength	8000	psi	ASTM D638
Tensile Elongation (Yield)	1.0	%	ASTM D638
Flexural Modulus	575000	psi	ASTM D790
Flexural Strength	15000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.60	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	345	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	550	V/mil	ASTM D149

