

HiFill® PPSU 5500 LE BN102

 Techmer Polymer Modifiers - *Polyphenylsulfone*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Appearance	<ul style="list-style-type: none"> Brown
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	350000	psi	ASTM D638
Tensile Strength (Yield)	11000	psi	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	6.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	400	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	300	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	640 to 730	°F
Middle Temperature	640 to 730	°F
Front Temperature	640 to 730	°F
Nozzle Temperature	640 to 730	°F
Processing (Melt) Temp	680 to 735	°F
Mold Temperature	280 to 325	°F
Injection Rate	Slow	
Back Pressure	0.00 to 100	psi
Screw Speed	Slow-Moderate	

