

**HiFill® PEEK 150 A**

 Techmer Polymer Modifiers - *Polyetheretherketone*
**General Information**
**General**

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

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

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	508000	psi	ISO 527-1
Tensile Stress (Yield)	14500	psi	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	400	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	302	°F	ISO 75-2/A

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	300	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	640 to 700	°F
Middle Temperature	650 to 710	°F
Front Temperature	660 to 720	°F
Nozzle Temperature	670 to 730	°F
Processing (Melt) Temp	650 to 725	°F
Mold Temperature	275 to 350	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

