

**HiFill® PES GF10 GN239**

 Techmer Polymer Modifiers - *Polyethersulfone*
**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>
Filler / Reinforcement	<ul style="list-style-type: none"> <li>Glass Fiber, 10% Filler by Weight</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 / Specific Gravity	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12000	psi	ASTM D638
Tensile Elongation (Break)	6.9	%	ASTM D638

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	300	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	660 to 720	°F
Middle Temperature	660 to 720	°F
Front Temperature	660 to 720	°F
Nozzle Temperature	660 to 720	°F
Processing (Melt) Temp	670 to 730	°F
Mold Temperature	250 to 320	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 75.0	psi
Screw Speed	Slow	

