

**HiFill® PFA 4450**

 Techmer Polymer Modifiers - *Perfluoroalkoxy*
**General Information**
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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>
Features	<ul style="list-style-type: none"> <li>Copolymer</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Colors Available</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	2.12		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.10	in/in	ASTM D955
Water Absorption (24 hr)	0.025	%	ASTM D570
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	3700	psi	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Flexural Modulus	75000	psi	ASTM D790
Flexural Strength	6500	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (73°F, 0.125 in)	No Break		ASTM D256
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	60		ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Continuous Use Temperature	500	°F	ASTM D696
Melting Temperature	580	°F	ASTM D3307
CLTE - Flow	6.0E-5	in/in/°F	ASTM D696
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (0.06 in)	V-0		UL 94
<b>Additional Information</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
TPCI #			

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
