



**Plaslube® PEEK GF10 1001A**

Techmer Polymer Modifiers - Polyetheretherketone

**Action**



**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>
Additive	<ul style="list-style-type: none"> <li>PFPE Lubricant</li> </ul>
Features	<ul style="list-style-type: none"> <li>High Flow</li> <li>Lubricated</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Black</li> <li>Colors Available</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

**ASTM & ISO Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.39		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	18000	psi	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	770000	psi	ASTM D790
Flexural Strength	22200	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.6	ft-lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	118		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	410	°F	ASTM D648
CLTE - Flow	1.6E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	450	V/mil	ASTM D149

**Processing Information**

	Nominal Value	Unit
Injection		
Drying Temperature	300	°F

**Notes**

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