

Plaslube® PEEK GF10 1001 A

 Techmer Polymer Modifiers - *Polyetheretherketone*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 10% Filler by Weight
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	884000	psi	ASTM D638
Tensile Strength (Yield)	19100	psi	ASTM D638
Tensile Strength (Break)	18900	psi	ASTM D638
Tensile Elongation (Break)	4.4	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.9	ft·lb/in	ASTM D256

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	655 to 715	°F
Nozzle Temperature	660 to 720	°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	

