

Plaslube® PEEK GF10 1001A

Polyetheretherketone
Techmer Engineered Solutions

Message:

Plaslube® PEEK GF10 1001A is a Polyetheretherketone (PEEK) product filled with 10% glass fiber. It can be processed by injection molding and is available in North America.
Characteristics include:
High Flow
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	PFPE Lubricant		
Features	High Flow		
	Lubricated		
Appearance	Black		
	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	124	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	5310	MPa	ASTM D790
Flexural Strength	153	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
CLTE - Flow	2.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149

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Recommended distributors for this material

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