

INLUBE PPSCF10TF10GP10

Polyphenylene Sulfide
Infinity Compounding Corp.

Message:
10% CARBON FIBER REINFORCED, 10% PTFE AND 10% GRAPHITE LUBRICATED POLYPHENYLENE SULFIDE

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 10% filler by weight		
Additive	PTFE lubricant (10%)		
	Graphite powder lubricant (10%)		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 - 0.30	%	ASTM D955
Water Absorption (Equilibrium)	0.040	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	110	MPa	ASTM D638
Tensile Elongation (Break)	1.0 - 3.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	316 - 332	°C	
Mold Temperature	135 - 177	°C	
Back Pressure	0.345 - 0.689	MPa	
Screw Speed	40 - 70	rpm	
Vent Depth	7.6E-3 - 0.013	mm	

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Recommended distributors for this material

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