

INSTRUC PSUGF30

Polysulfone
Infinity LTL Engineered Compounds

Message:
30% GLASS FIBER REINFORCED POLYSULFONE

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	ASTM D955
Water Absorption (Equilibrium)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	110	MPa	ASTM D638
Tensile Elongation (Break)	1.0 to 3.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Unnotched Izod Impact	370 to 480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	185	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	135	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	160 to 371	°C	
Middle Temperature	160 to 371	°C	
Front Temperature	160 to 371	°C	
Processing (Melt) Temp	349	°C	
Mold Temperature	149	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.038 to 0.076	mm	

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