

INSTRUC PEGF10

Polyethylene
Infinity LTL Engineered Compounds

Message:
10% GLASS FIBER REINFORCED POLYETHYLENE

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.90	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	36.5	MPa	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	53.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	480 to 590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	221	°C	
Mold Temperature	26.7 to 48.9	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	

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Recommended distributors for this material

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