

INSTRUC PPGF20CC

Polypropylene
Infinity LTL Engineered Compounds

Message:
20% GLASS FIBER REINFORCED CHEMICALLY COUPLED POLYPROPYLENE

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.50	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	79.3	MPa	ASTM D638
Tensile Elongation (Break)	4.0 to 5.0	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Unnotched Izod Impact	530 to 640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°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	193 to 227	°C	
Mold Temperature	37.8 to 65.6	°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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