

INSTRUC PPGB40

Polypropylene
Infinity LTL Engineered Compounds

Message:
40% GLASS BEAD FILLED POLYPROPYLENE

General Information			
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.1 to 1.6	%	ASTM D955
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	> 10	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Unnotched Izod Impact	370	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.3	°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	hr	
Processing (Melt) Temp	227	°C	
Mold Temperature	37.8	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.013 to 0.025	mm	

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