INSTRUC PPGB10HF

Polypropylene

Infinity LTL Engineered Compounds

Message:

10% GLASS BEAD FILLED, HIGH FLOW POLYPROPYLENE

Specific Gravity 0.968 g/cm³ ASTM D7 Molding Shrinkage - Flow (3.18 mm) 1.4 to 1.9 % ASTM D9 Mechanical Nominal Value Unit Test Methanical Strength (Break) 27.6 MPa ASTM D6 Tensile Elongation (Break) > 10 % ASTM D6 Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Methanical Unit Test Methanical STM D6 Unit Test Methanical Unit	General Information			
Processing Method Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 0.968 g/cm³ ASTM D7 Molding Shrinkage - Flow (3.18 mm) 1.4 to 1.9 % ASTM D8 Mechanical Nominal Value Unit Test Method Tensile Strength (Break) 27.6 MPa ASTM D6 Tensile Elongation (Break) > 10 % ASTM D6 Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Method Notched Izod Impact 43 J/m ASTM D6 Thermal Nominal Value Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Method Surface Resistivity > 1.0E+17 ohms ASTM D6 Electrical Nominal Value Unit Test Method Drying Temperature 76.7 °C ASTM D6	Filler / Reinforcement	Glass Bead,10% Filler by Weight		
Physical Nominal Value Unit Test Met Specific Gravity 0.968 g/cm³ ASTM D7 Molding Shrinkage - Flow (3.18 mm) 1.4 to 1.9 % ASTM D7 Mechanical Nominal Value Unit Test Met Tensile Strength (Break) 27.6 MPa ASTM D6 Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Met Te	Features	High Flow		
Specific Gravity 0.968 g/cm³ ASTM DO Molding Shrinkage - Flow (3.18 mm) 1.4 to 1.9 % ASTM DO Mechanical Nominal Value Unit Test Method Tensile Strength (Break) 27.6 MPa ASTM DO Tensile Elongation (Break) > 10 % ASTM DO Flexural Modulus 1380 MPa ASTM DO Impact Nominal Value Unit Test Method Notched Izod Impact 43 J/m ASTM DO Unnotched Izod Impact 690 J/m ASTM DO Thermal Nominal Value Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM DO Electrical Nominal Value Unit Test Method Surface Resistivity > 1.0E+17 ohms ASTM DO Injection Nominal Value Unit Test Method Drying Temperature 76.7 °C C Drying Temperature 2.0 hr C	Processing Method	Injection Molding		
Molding Shrinkage - Flow (3.18 mm) 1.4 to 1.9 % ASTM DS Mechanical Nominal Value Unit Test Method Tensile Strength (Break) 27.6 MPa ASTM DG Tensile Elongation (Break) > 10 % ASTM DG Flexural Modulus 1380 MPa ASTM DG Impact Nominal Value Unit Test Method Notched Izod Impact 43 J/m ASTM DG Thermal Nominal Value Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) S7.2 °C ASTM DG Electrical Nominal Value Unit Test Method Surface Resistivity > 1.0E+17 ohms ASTM DG Injection Nominal Value Unit Test Method Drying Temperature 76.7 °C ASTM DG Drying Time 2.0 hr Processing (Melt) Temp 227 °C Mold Temperature 37.8 °C MPa	Physical	Nominal Value	Unit	Test Method
Mechanical Nominal Value Unit Test Method Tensile Strength (Break) 27.6 MPa ASTM D6 Tensile Elongation (Break) > 10 % ASTM D6 Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Method Notched Izod Impact 43 J/m ASTM D2 Unnotched Izod Impact 690 J/m ASTM D6 Thermal Nominal Value Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 "C ASTM D6 Electrical Nominal Value Unit Test Method Surface Resistivity > 1.0E+17 ohms ASTM D6 Injection Nominal Value Unit Test Method Drying Temperature 76.7 "C ASTM D6 Drying Time 2.0 hr "C Mold Temperature 37.8 "C MPa	Specific Gravity	0.968	g/cm³	ASTM D792
Tensile Strength (Break) 27.6 MPa ASTM D6 Tensile Elongation (Break) > 10 % ASTM D6 Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Met Notched Izod Impact 43 J/m ASTM D2 Unnotched Izod Impact 690 J/m ASTM D4 Thermal Nominal Value Unit Test Met Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D6 Injection Nominal Value Unit Test Met Drying Temperature 76.7 °C Test Met Drying Time 2.0 hr Processing (Melt) Temp 227 °C Mold Temperature 37.8 °C C Back Pressure 0.345 to 0.689 MPa	Molding Shrinkage - Flow (3.18 mm)	1.4 to 1.9	%	ASTM D955
Tensile Elongation (Break) > 10 % ASTM DEFECURATION DEFECURAT	Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus 1380 MPa ASTM D7 Impact Nominal Value Unit Test Met Notched Izod Impact 43 J/m ASTM D2 Unnotched Izod Impact 690 J/m ASTM D2 Unnotched Izod Impact 690 Unit Test Met Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D2 Injection Nominal Value Unit Test Met Drying Temperature Onder Load (1.8 Nominal Value Unit Test Met Days Injection Nominal Value Unit Test Met Drying Temperature Onder Load (1.8 Nominal Value Unit Onder L	Tensile Strength (Break)	27.6	MPa	ASTM D638
Impact Nominal Value Unit Test Met Notched Izod Impact 43 J/m ASTM D2 Unnotched Izod Impact 690 J/m ASTM D4 Thermal Nominal Value Unit Test Met Deflection Temperature Under Load (1.8 MPa, Unannealed) Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D2 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	Tensile Elongation (Break)	> 10	%	ASTM D638
Notched Izod Impact 43 J/m ASTM D2 Import 690 J/m ASTM D4 Import Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Impection Nominal Value Unit Test Met Import Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Import Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Import Deflection Imp	Flexural Modulus	1380	MPa	ASTM D790
Unnotched Izod Impact690J/mASTM DATEThermalNominal ValueUnitTest MetDeflection Temperature Under Load (1.8 MPa, Unannealed)57.2°CASTM DATEElectricalNominal ValueUnitTest MetSurface Resistivity> 1.0E+17ohmsASTM DATEInjectionNominal ValueUnitDrying Temperature76.7°CDrying Time2.0hrProcessing (Melt) Temp227°CMold Temperature37.8°CBack Pressure0.345 to 0.689MPa	Impact	Nominal Value	Unit	Test Method
Thermal Nominal Value Unit Test Met Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D2 Injection Nominal Value Unit Processing (Melt) Temp 2.0 hr Processing (Melt) Temp 2.27 °C Mold Temperature 37.8 °C Back Pressure 0.345 to 0.689 MPa	Notched Izod Impact	43	J/m	ASTM D256
Deflection Temperature Under Load (1.8 MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D2 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	Unnotched Izod Impact	690	J/m	ASTM D4812
MPa, Unannealed) 57.2 °C ASTM D6 Electrical Nominal Value Unit Test Met Surface Resistivity > 1.0E+17 ohms ASTM D2 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	Thermal	Nominal Value	Unit	Test Method
Surface Resistivity > 1.0E+17 ohms ASTM D2 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	· ·	57.2	°C	ASTM D648
InjectionNominal ValueUnitDrying Temperature76.7°CDrying Time2.0hrProcessing (Melt) Temp227°CMold Temperature37.8°CBack Pressure0.345 to 0.689MPa	Electrical	Nominal Value	Unit	Test Method
Drying Temperature76.7°CDrying Time2.0hrProcessing (Melt) Temp227°CMold Temperature37.8°CBack Pressure0.345 to 0.689MPa	Surface Resistivity	> 1.0E+17	ohms	ASTM D257
Drying Time 2.0 hr Processing (Melt) Temp 227 °C Mold Temperature 37.8 °C Back Pressure 0.345 to 0.689 MPa	Injection	Nominal Value	Unit	
Processing (Melt) Temp 227 °C Mold Temperature 37.8 °C Back Pressure 0.345 to 0.689 MPa	Drying Temperature	76.7	°C	
Mold Temperature 37.8 °C Back Pressure 0.345 to 0.689 MPa	Drying Time	2.0	hr	
Back Pressure 0.345 to 0.689 MPa	Processing (Melt) Temp	227	°C	
	Mold Temperature	37.8	°C	
Screw Speed 40 to 70 rpm	Back Pressure	0.345 to 0.689	MPa	
	Screw Speed	40 to 70	rpm	
Vent Depth 0.013 to 0.025 mm	Vent Depth	0.013 to 0.025	mm	

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