

INSTRUC PCPETGF30

Polycarbonate + PET

Infinity LTL Engineered Compounds

Message:

INSTRUC PCPETGF30 is a Polycarbonate + PET (PC+PET) product filled with 30% glass fiber. It is available in North America. Typical application: Food Contact Applications. Primary characteristic: food contact acceptable.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Food Contact Acceptable		
Agency Ratings	FDA Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	122	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	143	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+17	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	266 to 277	°C	
Mold Temperature	65.6 to 93.3	°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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