

INSTRUC PCABSGF20MD

Polycarbonate + ABS
Infinity LTL Engineered Compounds

Message:

INSTRUC PCABSGF20MD is a Polycarbonate + ABS (PC+ABS) product filled with 20% glass fiber. It is available in North America. Typical application: Medical/Healthcare.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Uses	Medical/Healthcare Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	105	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 to 3.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Unnotched Izod Impact	530 to 640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	146	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+7	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	246 to 266	°C	
Mold Temperature	51.7 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.025 to 0.051	mm	

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