

INSTRUC POMHGF20LE

Acetal (POM) Homopolymer
Infinity LTL Engineered Compounds

Message:

INSTRUC POMHGF20LE is an Acetal (POM) Homopolymer product filled with 20% glass fiber. It is available in North America. Typical application: Food Contact Applications.
Characteristics include:
Food Contact Acceptable
Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Food Contact Acceptable Homopolymer		
Agency Ratings	FDA Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.70	%	
Water Absorption (24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	63.8	MPa	ASTM D638
Tensile Elongation (Break)	2.0 to 4.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Unnotched Izod Impact	370 to 480	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	82.2	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	199 to 210	°C	
Mold Temperature	82.2 to 104	°C	
Back Pressure	0.172 to 0.345	MPa	
Screw Speed	30 to 60	rpm	
Vent Depth	0.013 to 0.025	mm	

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