



2079 Center Square Road  
Logan Township, NJ 08085

## TECHNICAL DATA AND PROCESS SHEET

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### 20% GLASS FIBER REINFORCED ACETAL HOMOPOLYMER BASED ON FDA COMPLIANT RAW MATERIALS

#### INSTRUC POMHGF20LE

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.57	-	ASTM D792
WATER ABSORPTION	0.07	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.7	%	
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	9,250	psi	ASTM D638
TENSILE ELONGATION (BRK)	2-4	%	ASTM D638
FLEXURAL MODULUS	1,100,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	0.9	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	7-9	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	305	°F	ASTM D648
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	>10EXP17	Ohm/Sq	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	180	°F	
DRYING TIME	4	hrs	
MELT TEMPERATURE	390-410	°F	
MOLD TEMPERATURE	180-220	°F	
BACK PRESSURE	25-50	psi	
SCREW SPEED	30-60	rpm	
VENT DEPTH	0.0005-0.001	in	

TSC 8/30/10

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