

## TECHNICAL DATA AND PROCESS SHEET

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### 15% GLASS FIBER REINFORCED POLYSTYRENE

#### INSTRUC PSGF15

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.15	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.1-0.4	%	
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	9,000	psi	ASTM D638
FLEXURAL STRENGTH	14,500	psi	ASTM D790
FLEXURAL MODULUS	700,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	0.8	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	4-6	ft-lb/in	ASTM D256
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	10exp17	Ohms/Sq	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2-4	hrs	
MELT TEMPERATURE	410-480	°F	
MOLD TEMPERATURE	100-150	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

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