



2079 Center Square Road
Logan Township, NJ 08085

TECHNICAL DATA AND PROCESS SHEET

10% GLASS FIBER REINFORCED FLUORINATED ETHYLENE PROPYLENE (FEP)

INSTRUC FEPGF10

TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
PHYSICAL			
SPECIFIC GRAVITY	2.18	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	1.5	%	
MECHANICAL			
TENSILE STRENGTH, BRK	4,200	psi	ASTM D638
TENSILE ELONGATION	3-5	%	ASTMD638
FLEXURAL STRENGTH	6,900	psi	ASTM D790
FLEXURAL MODULUS	480,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	NB	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	24.0	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	308	°F	ASTM D648
ELECTRICAL			
VOLUME RESISTIVITY	10 ¹⁴	ohm-cm	ASTM D257
SURFACE RESISTIVITY	10 ¹³	ohms/sq.	ASTM D257
DIELECTRIC STRENGTH	475	v/mil	ASTM D149
DIELECTRIC CONSTANT 100Hz	2.4	-	ASTM D150
DIELECTRIC CONSTANT 10 ⁶ HZ	2.4	-	ASTM D150
DISSIPATION FACTOR 100Hz	0.002	-	ASTM D150
DISSIPATION FACTOR 10 ⁶ HZ	0.0002	-	ASTM D150
PROCESSING			
DRYING TEMPERATURE	250	°F	
DRYING TIME	4	hrs	
MELT TEMPERATURE	650-725	°F	
MOLD TEMPERATURE	300-400	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

This information is based on our experience to date and we believe it to be reliable. It is intended only as a guide for use at your discretion and risk. We cannot guarantee favorable results and assume no liability in connection with its use of the products described. Each user bears full responsibility for making its own determination as to the suitability of the product described. None of this information is to be taken as a license to operate under, or recommendation to infringe any patents