



2079 Center Square Road
Logan Township, NJ 08085

TECHNICAL DATA AND PROCESS SHEET

25% GLASS FIBER REINFORCED ETFE

INSTRUC ETFEGF25

TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
PHYSICAL			
SPECIFIC GRAVITY	1.85	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.6	%	
MOISTURE ABSORPTION 24 HR	0.02	%	ASTM D570
MECHANICAL			
TENSILE STRENGTH, BRK	12,500	psi	ASTM D638
TENSILE ELONGATION	5-7	%	ASTMD638
FLEXURAL STRENGTH	17,000	psi	ASTM D790
FLEXURAL MODULUS	900,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	6.5	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	14.0	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	410	°F	ASTM D648
ELECTRICAL			
VOLUME RESISTIVITY	10 ¹⁶	ohm-cm	ASTM D257
SURFACE RESISTIVITY	10 ¹⁵	ohms/sq.	ASTM D257
DIELECTRIC STRENGTH	410	v/mil	ASTM D149
DIELECTRIC CONSTANT 100Hz	3.4	-	ASTM D150
DIELECTRIC CONSTANT 10 ⁶ HZ	3.4	-	ASTM D150
DISSIPATION FACTOR 100Hz	0.003	-	ASTM D150
DISSIPATION FACTOR 10 ⁶ HZ	0.008	-	ASTM D150
PROCESSING			
DRYING TEMPERATURE	250	°F	
DRYING TIME	4	hrs	
MELT TEMPERATURE	600	°F	
MOLD TEMPERATURE	250	°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 it's 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