

## TECHNICAL DATA AND PROCESS SHEET

### 25% GLASS FIBER REINFORCED ETFE

#### INSTRUC ETFEGF25

#### TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.85	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.6	%	
MOISTURE ABSORPTION 24 HR	0.02	%	ASTM D570
<b>MECHANICAL</b>			
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, NOTHCED	6.5	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	14.0	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	410	°F	ASTM D648
<b>ELECTRICAL</b>			
VOLUME RESISTIVITY	10 <sup>16</sup>	ohm-cm	ASTM D257
SURFACE RESISTIVITY	10 <sup>15</sup>	ohms/sq.	ASTM D257
DIELECTRIC STRENGTH	410	v/mil	ASTM D149
DIELECTRIC CONSTANT 100Hz	3.4	-	ASTM D150
DIELECTRIC CONSTANT 10 <sup>6</sup> HZ	3.4	-	ASTM D150
DISSIPATION FACTOR 100Hz	0.003	-	ASTM D150
DISSIPATION FACTOR 10 <sup>6</sup> HZ	0.008	-	ASTM D150
<b>PROCESSING</b>			
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	

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