

TECHNICAL DATA AND PROCESS SHEET

20% CARBON FIBER REINFORCED ETFE

INSTRUC ETFECF20

TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
PHYSICAL			
SPECIFIC GRAVITY	1.72	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.6	%	
MECHANICAL			
TENSILE STRENGTH, BRK	9,000	psi	ASTM D638
TENSILE ELONGATION	5-10	%	ASTMD638
FLEXURAL STRENGTH	14,500	psi	ASTM D790
FLEXURAL MODULUS	1,150,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	2.9	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	8.0	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	400	°F	ASTM D648
ELECTRICAL			
SURFACE RESISTIVITY	10exp2-10exp6	Ohm/Sq.	ASTM D257
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	

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