

TECHNICAL DATA AND PROCESS SHEET

10% GLASS FIBER REINFORCED POLYCARBONATE/PET ALLOY BASED UPON FDA APPROVED RESINS

INSTRUC PCPETGF10LE

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.31	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.3-0.5	%	
MECHANICAL			
TENSILE STRENGTH, BRK	11,490	psi	ASTM D638
TENSILE ELONGATION	3-5	%	ASTM D638
FLEXURAL MODULUS	700,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	2.5	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	280	°F	ASTM D648
ELECTRICAL			
VOLUME RESISTIVITY	>1exp17	Ohm-cm	ASTM D257
PROCESSING			
DRYING TEMPERATURE	230	°F	
DRYING TIME	3-4	hrs	
MELT TEMPERATURE	510-530	°F	
MOLD TEMPERATURE	150-200	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

1/31/10 TSC

<p>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</p>
