



2079 Center Square Road
Logan Township, NJ 08085

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

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