

TECHNICAL DATA AND PROCESS SHEET

10% GLASS FIBER REINFORCED POLYETHYLENE

INSTRUC PEGF10

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.02	-	ASTM D792
WATER ABSORPTION	0.03	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.5-0.9	%	
MECHANICAL			
TENSILE STRENGTH, BRK	5,300	psi	ASTM D638
FLEXURAL STRENGTH	7,800	psi	ASTM D790
FLEXURAL MODULUS	250,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.0	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	9-11	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	185	°F	ASTM D648
ELECTRICAL			
SURFACE RESISTIVITY	10exp17	Ohms/Sq	ASTM D257
PROCESSING			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2-4	hrs	
MELT TEMPERATURE	430	°F	
MOLD TEMPERATURE	80-120	°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 its 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.