

## TECHNICAL DATA AND PROCESS SHEET

### 10% CHEMICALLY COUPLED GLASS FIBER REINFORCED POLYPROPYLENE

#### INSTRUC PPGF10CC

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	0.97	-	ASTM D792
WATER ABSORPTION	0.03	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.4-0.8	%	
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	6,700	psi	ASTM D638
FLEXURAL STRENGTH	9,500	psi	ASTM D790
FLEXURAL MODULUS	350,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.5	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	9-10	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	235	°F	ASTM D648
HDTUL @ 264 PSI	300	°F	ASTM D648
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	10exp17 Ohms/Sq		ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2-4	hrs	
MELT TEMPERATURE	380-440	°F	
MOLD TEMPERATURE	100-150	°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 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