

TECHNICAL DATA AND PROCESS SHEET

40% GLASS FIBER REINFORCED CHEMICALLY COUPLED POLYPROPYLENE

INSTRUC PPGF40CC

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.21	-	ASTM D792
WATER ABSORPTION	0.02	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.2-0.4	%	
MECHANICAL			
TENSILE STRENGTH, BRK	13,400	psi	ASTM D638
FLEXURAL STRENGTH	18,900	psi	ASTM D790
FLEXURAL MODULUS	1,000,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	2.2	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	10-14	ft-lb/in	ASTM D256
THERMAL			
HDTUL @ 264 PSI	300	°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	440	°F	
MOLD TEMPERATURE	100	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.0005-0.001	in	

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