

TECHNICAL DATA AND PROCESS SHEET

40% GLASS BEAD FILLED POLYPROPYLENE

INSTRUC PPGB40

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.21	-	ASTM D792
WATER ABSORPTION	0.03	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	1.1-1.6	%	ASTM D955
MECHANICAL			
TENSILE STRENGTH, BRK	3,200	psi	ASTM D638
TENSILE ELONGATION	>10	%	ASTM D638
FLEXURAL MODULUS	320,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	0.5	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	7	ft-lb/in	ASTM D4812
THERMAL			
HDTUL @ 264 PSI	155	°F	ASTM D648
ELECTRICAL			
SURFACE RESISTIVITY	>10 ¹⁷	Ohms/Sq	ASTM D257
PROCESSING			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2	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	

6/25/12 DJV

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