

**TECHNICAL DATA AND PROCESS SHEET**

**30% FIBERGLASS REINFORCED, IMPACT MODIFIED POLYCARBONATE/PBT ALLOY**

**INSTRUC PCPBTGF30IM**

**TYPICAL PROPERTIES**

<b>PROPERTY</b>	<b>VALUE</b>	<b>UNIT</b>	<b>METHOD</b>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.44	-	ASTM D792
WATER ABSORPTION	0.09	%	ASTM D570
MOLD SHRINKAGE, FLOW 0.125"	0.3-0.4	%	
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	14,000	psi	ASTM D638
TENSILE ELONGATION	3-4	%	ASTM D638
FLEXURAL MODULUS	775,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	3.1	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	12.0	ft-lb/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 PSI	325	°F	ASTM D648
<b>ELECTRICAL</b>			
VOLUME RESISTIVITY	>1exp17	Ohm-cm	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	230	°F	
DRYING TIME	3-4	hrs	
MELT TEMPERATURE	510-530	°F	
MOLD TEMPERATURE	150-180	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

1. Infinity Compounding testing

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