

## TECHNICAL DATA AND PROCESS SHEET

---

### 30% FIBERGLASS REINFORCED TPU

#### INSTRUC TPUGF30

#### TYPICAL PROPERTIES

<b>PROPERTY</b>	<b>VALUE</b>	<b>UNIT</b>	<b>METHOD</b>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.47		ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.3-0.7		
SHORE HARDNESS	60D		ASTM D2240
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	7,200	psi.	ASTM D638
FLEXURAL MODULUS	250,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	10.0	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	NB	ft-lb/in	ASTM D256
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	>10EXP17	Ohm/Sq	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	200	°F	
DRYING TIME	4	hrs	
CYLINDER TEMPERATURE	370-415	°F	
MELT TEMPERATURE	410	°F	
MOLD TEMPERATURE	60-100	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.001-0.002	in	

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