



2079 Center Square Road  
Logan Township, NJ 08085

## TECHNICAL DATA AND PROCESS SHEET

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### 30% FIBERGLASS REINFORCED TPU

#### INSTRUC TPUGF30

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<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	

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