

## TECHNICAL DATA AND PROCESS SHEET

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### 10% CARBON FIBER REINFORCED TPU

#### INELEC TPUCF1050D

#### TYPICAL PROPERTIES

<b>PROPERTY</b>	<b>VALUE</b>	<b>UNIT</b>	<b>METHOD</b>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.25		ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.1-0.3		
SHORE HARDNESS	50D		ASTM D2240
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	7,000	psi.	ASTM D638
TENSILE ELONGATION	>25	%	ASTM D638
FLEXURAL MODULUS	170,000	psi	ASTM D790
NOTCHED IZOD IMPACT	9.0	ft-lbs/in	ASTM D256
<b>THERMAL</b>			
HDTUL @ 264 psi	180	°F	ASTM D648
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	10E2 – 10E6	Ohm/Sq	ASTM D257
<b>PROCESSING</b>			
DRYING TEMPERATURE	200	°F	
DRYING TIME	4	hrs	
CYLINDER TEMPERATURE	370-430	°F	
MELT TEMPERATURE	410	°F	
MOLD TEMPERATURE	60-150	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

8/16/10 DJV

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 it's own determination as to the suitability of the product described. None of