

TECHNICAL DATA AND PROCESS SHEET

10% CARBON FIBER REINFORCED ELECTRICALLY CONDUCTIVE POLYPROPYLENE

INELEC PPCF10

TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
PHYSICAL			
SPECIFIC GRAVITY	0.94	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.2-0.5	%	
MECHANICAL			
TENSILE STRENGTH, BRK	4,200	psi	ASTM D638
FLEXURAL STRENGTH	6,000	psi	ASTM D790
FLEXURAL MODULUS	400,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	3.5	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	6-8	ft-lb/in	ASTM D256
ELECTRICAL			
SURFACE RESISTIVITY	10E2-10E6	Ohm/Sq.	ASTM D257
PROCESSING			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2-4	hrs	
MELT TEMPERATURE	380	°F	
MOLD TEMPERATURE	100	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.0005-0.001	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