

TECHNICAL DATA AND PROCESS SHEET

**20% CARBON FIBER REINFORCED, ELECTRICALLY CONDUCTIVE
 POLYPROPYLENE**

INELEC PPCF20

TYPICAL PROPERTIES

PROPERTY	VALUE	UNIT	METHOD
PHYSICAL			
SPECIFIC GRAVITY	1.00	-	ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.1-0.4	%	ASTM D955
MECHANICAL			
TENSILE STRENGTH, BRK	6,800	psi	ASTM D638
FLEXURAL STRENGTH	9,500	psi	ASTM D790
FLEXURAL MODULUS	1,000,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.0	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	2.5	ft-lb/in	ASTM D4812
ELECTRICAL			
SURFACE RESISTIVITY	10 ² -10 ⁶	Ohm/Sq.	ASTM D257
PROCESSING			
DRYING TEMPERATURE	170	°F	
DRYING TIME (not required)	2-4	hrs	
MELT TEMPERATURE	380-440	°F	
MOLD TEMPERATURE	100	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	
VENT DEPTH	0.0005-0.001	in	

3/1/12 DJV

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