

TECHNICAL DATA AND PROCESS SHEET

20% NICKEL COATED CARBON FIBER REINFORCED, ELECTRICALLY CONDUCTIVE, EMI/RFI SHIELDING, ACRYLONITRILE BUTADIENE STYRENE

INELEC ABSNCCF20 TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
PHYSICAL			
SPECIFIC GRAVITY	1.20		ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.05-0.1	%	ASTM D955
MECHANICAL			
TENSILE STRENGTH, BRK	12,500	psi	ASTM D638
TENSILE ELONGATION	1-2	%	ASTM D638
FLEXURAL STRENGTH	22,000	psi.	ASTM D790
FLEXURAL MODULUS	1,400,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	0.9	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	5-7	ft-lb/in	ASTM D4812
THERMAL			
HDTUL @ 264 PSI	220	°F	ASTM D648
ELECTRICAL			
SURFACE RESISTIVITY	10^0-10^2	Ohms/sq	ASTM D257
VOLUME RESISTIVITY	10^0-10^2	Ohm-cm	ASTM D257
EMI ATTENUATION	50-65	dB	ASTM D4935
PROCESSING			
DRYING TEMPERATURE	180	°F	
DRYING TIME	2	hrs	
MELT TEMPERATURE	450	°F	
MOLD TEMPERATURE	150-200	°F	
BACK PRESSURE	50-100	psi	
SCREW SPEED	40-70	rpm	

2/1/2011 TSC

<p>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 this information is to be taken as a license to operate under, or recommendation to infringe any patents</p>
