



2079 Center Square Road
Logan Township, NJ 08085

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

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