

## TECHNICAL DATA AND PROCESS SHEET

### 30% NICKEL COATED CARBON FIBER REINFORCED, ELECTRICALLY CONDUCTIVE, EMI/RFI SHIELDING, HIGH FLOW, FLAME RETARDANT, UV STABILIZED BLACK ACRYLONITRILE BUTADIENE STYRENE

#### INELEC ABSNCCF30HFFRUV BK003

#### TYPICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>UNIT</u>	<u>METHOD</u>
<b>PHYSICAL</b>			
SPECIFIC GRAVITY	1.50		ASTM D792
MOLD SHRINKAGE, FLOW 0.125"	0.05-0.1	%	ASTM D955
<b>MECHANICAL</b>			
TENSILE STRENGTH, BRK	16,500	psi	ASTM D638
TENSILE ELONGATION	1-1.5	%	ASTM D638
FLEXURAL STRENGTH	24,000	psi.	ASTM D790
FLEXURAL MODULUS	1,800,000	psi	ASTM D790
IZOD IMPACT, NOTCHED	1.0	ft-lb/in	ASTM D256
IZOD IMPACT, UNNOTCHED	4-6	ft-lb/in	ASTM D4812
<b>THERMAL</b>			
HDTUL @ 264 PSI	220	°F	ASTM D648
FLAMMABILITY	V-0 @ 1.5mm		
<b>ELECTRICAL</b>			
SURFACE RESISTIVITY	$10^0$ - $10^2$	Ohms/sq	ASTM D257
VOLUME RESISTIVITY	$10^0$ - $10^2$	Ohm-cm	ASTM D257
EMI ATTENUATION	40-55	dB	ASTM D4935
<b>PROCESSING</b>			
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	

12/16/2010 DJV

<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>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------