

# INELEC ABSNCCF20

Acrylonitrile Butadiene Styrene  
Infinity LTL Engineered Compounds

Message:

INELEC ABSNCCF20 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 20% nickel-coated carbon fiber. It is available in North America. Characteristics include:  
Conductive  
Electromagnetic Shielding (EMI)  
Radio Frequency Shielding (RFI)

General Information			
Filler / Reinforcement	Nickel-Coated Carbon Fiber,20% Filler by Weight		
Features	Electrically Conductive		
	Electromagnetic Shielding (EMI)		
	Radio Frequency Shielding (RFI)		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.050 to 0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 2.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Unnotched Izod Impact	270 to 370	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0 to 1.0E+2	ohms	ASTM D257
Volume Resistivity	1.0 to 1.0E+2	ohms · cm	ASTM D257
EMI Attenuation	50 to 65	dB	ASTM D4935
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	232	°C	
Mold Temperature	65.6 to 93.3	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

