

INELEC ABSNCCF30HFFRUV BK003

Acrylonitrile Butadiene Styrene
Infinity LTL Engineered Compounds

Message:

INELEC ABSNCCF30HFFRUV BK003 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 30% nickel-coated carbon fiber. It is available in North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Conductive
- Electromagnetic Shielding (EMI)
- Good UV Resistance

General Information			
Filler / Reinforcement	Nickel-Coated Carbon Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	UV Stabilizer		
Features	Electrically Conductive		
	Electromagnetic Shielding (EMI)		
	Flame Retardant		
	Good UV Resistance		
	High Flow		
	Radio Frequency Shielding (RFI)		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.050 to 0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	114	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 1.5	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	210 to 320	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	40 to 55	dB	ASTM D4935
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
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	

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