Stat-Tech™ AS-08CF/000 UV FR V0

Acrylonitrile Butadiene Styrene

PolyOne Corporation

Message:

Stat-Tech™ Electrically Conductive Compounds are specifically engineered to provide anti-static, ESD and RFI/EMI shielding performance for critical electronic equipment applications. These compounds combine the performance of select engineering resins with reinforcing additives such as carbon powder, carbon fiber, nickel-coated carbon fiber and stainless steel fiber, for low-to-high levels of conductivity depending upon application requirements.

General Information			
UL YellowCard	E76261-101454993		
Filler / Reinforcement	Carbon Fiber,8.0% Filler by Weight		
Features	Antistatic Electromagnetic Shielding (EMI) ESD Protection Radio Frequency Shielding (RFI)		
Uses	Aerospace Applications Automotive Under the Hood Business Equipment Electrical/Electronic Applications Housings Printer Parts		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.30	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	4830	MPa	ASTM D638
Tensile Strength [2] (Yield)	65.5	MPa	ASTM D638
Tensile Elongation [3] (Break)	2.0	%	ASTM D638
Flexural Modulus	4690	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	43	J/m	ASTM D256A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+7	ohms	ASTM D257
Volume Resistivity	1.0E+6	ohms·cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, BK)	V-0		Internal Method

Injection	Nominal Value	Unit
Drying Temperature	76.7	°C
Drying Time	2.0	hr
Processing (Melt) Temp	221 to 249	°C
Mold Temperature	26.7 to 54.4	°C

NOTE	
1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	Type I, 5.1 mm/min

Recommended distributors for this material

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