

Stat-Tech™ AS-08CF/000

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			
Filler / Reinforcement	Carbon Fiber,8.0% Filler by Weight		
Features	Antistatic		
	ESD Protection		
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	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4830	MPa	ASTM D638
Tensile Strength ² (Yield)	68.9	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0 to 3.0	%	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)	64	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	98.9	°C	
1.8 MPa, Unannealed, 6.35 mm	96.1	°C	
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+5 to 1.0E+7	ohms	ASTM D257
Volume Resistivity	1.0E+4 to 1.0E+6	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Processing (Melt) Temp	221 to 232	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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

