Stat-Tech™ PP-1000 AS Black

Polypropylene Copolymer

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			
Features	Antistatic property No shedding		
Uses	Computer components Electrical/Electronic Applications Electrical housing Aerospace applications Connector Automotive Electronics Business equipment Shell		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.928	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.10 - 1.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	22.2	MPa	ASTM D638
Tensile Elongation [1] (Break)	30	%	ASTM D638
Flexural Modulus	827	MPa	ASTM D790
Flexural Strength	27.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	480	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.35mm	70.0	°C	ASTM D648
1.8 MPa, unannealed, 6.35mm	43.0	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+8 - 1.0E+12	ohms	ASTM D257

Volume Resistivity	1.0E+8 - 1.0E+12	ohms·cm	ASTM D257

Injection	Nominal Value	Unit
Rear Temperature	218 - 238	°C
Middle Temperature	213 - 232	°C
Front Temperature	207 - 227	°C
Nozzle Temperature	213 - 232	°C
Mold Temperature	66 - 82	°C

NOTE	
1.	Type 1, 5.1 mm/min

Recommended distributors for this material

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