Stat-Tech™ PC-091104

Polycarbonate

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	Conductivity		
Uses	Electrical/Electronic Applications Shell Consumer goods application field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+4 - 1.0E+6	ohms	IEC 60093
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100 - 120	°C	
Drying Time	2.0 - 4.0	hr	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 110	°C	

Recommended distributors for this material

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