Stat-Tech™ AS-XC588 BLU 436C

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 | | | |
|--|------------------------------------|-------|-------------|
| Features | Electrically Conductive | | |
| Uses | Electrical/Electronic Applications | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.12 | g/cm³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus ¹ | 3030 | MPa | ASTM D638 |
| Tensile Strength ² (Yield) | 60.0 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | 4.0 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched lzod Impact (23°C, 6.35 mm, Injection Molded) | 50 | J/m | ASTM D256A |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+3 to 1.0E+5 | ohms | ASTM D257 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 93.0 | °C | |
| Drying Time | 2.0 | hr | |
| Rear Temperature | 219 to 238 | °C | |
| Middle Temperature | 213 to 232 | °C | |
| Front Temperature | 207 to 227 | °C | |
| Nozzle Temperature | 213 to 232 | °C | |
| Processing (Melt) Temp | 210 to 238 | °C | |
| Mold Temperature | 66.0 to 82.0 | °C | |
| NOTE | | | |
| 1. | 5.0 mm/min | | |
| 2. | 5.0 mm/min | | |
| 3. | 5.0 mm/min | | |

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