

PolyOne Stat-Tech™ AS-08CF/000 Black Acrylonitrile Butadiene Styrene (ABS), Carbon Fiber Reinforced (disconti

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features:Carbon Fiber ReinforcedESD ProtectionPolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-AS-08CF000-Black-Acrylonitrile-Butadiene-Styrene-ABS-Carbon-Fiber-Reinforced-nbspdisconti.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-----------|
| Specific Gravity | 1.07 g/cc | 1.07 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | ASTM D955 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|--|--|
| Tensile Strength, Ultimate | 68.9 MPa | 10000 psi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Elongation at Break | 3.0 % | 3.0 % | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Tensile Modulus | 4.83 GPa | 700 ksi | Type 1 - Rigids, 0.2 in/min; ASTM D638 |
| Izod Impact, Notched | 0.641 J/cm @Thickness 6.35 mm, Temperature 23.0 °C | 1.20 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F | Method A, Injection Molded; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 96.1 °C | 205 °F | Annealed, 0.125 in bars; ASTM D648 |

| Electrical Properties | Metric | English | Comments |
|--------------------------------|---------------------|---------------------|-----------|
| Surface Resistivity per Square | 1e+05 - 1.00e+7 ohm | 1e+05 - 1.00e+7 ohm | ASTM D257 |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------|---------|----------|
| Melt Temperature | 221 °C | 430 °F | Molding |
| Drying Temperature | 82.2 °C | 180 °F | |
| Dry Time | 2 hour | 2 hour | |

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