

65 Series - Conductive Black Polyethylene Bags / Film

Description

The All-Spec 65 Series of Blac-Stat™ conductive black polyethylene bags and film are designed for packaging of electronic and static sensitive devices where electrostatic contamination is a problem. This bag/ film is made from a single layer of carbon-loaded polyethylene, and its conductivity does not depend on humidity. It is non-abrading, does not contaminate components it comes in contact with, and it is groundable.



The bags and film are an opaque black color, and are heat sealable.

Applications

For packaging of static sensitive components, where electrostatic contamination is a problem.

Material Structure

This black conductive bag/ film is constructed from a single layer of carbon loaded polyethylene. Its conductivity does not depend on humidity.



Product Specifications

| Electrical Properties | Test Method | Test Results |
|-----------------------|-------------|------------------|
| Surface Resistivity: | ASTM-257 | < 10,000 ohms/sq |
| Volume Resistivity: | ASTM-D991 | < 5,000 ohms/cm |

| Physical Properties | Test Method | Test Results |
|---------------------|-------------|------------------|
| Thickness: | Micrometer | 4 - 8 mils |
| Tensile Strength: | ASTM D-882 | > 2000 psi |
| Elongation: | ASTM D-882 | > 150% |
| Dart Impact: | ASTM-D1004 | 250 to 700 grams |
| Tear Strength: | ASTM D-882 | > 400 lbs/inch |
| Mullen Burst: | ASTM D-882 | 20 to 60 psi |



| Heat Sealing Requirements | |
|---------------------------|-------------------|
| Temperature: | 250° to 375° F |
| Time: | .5 to 3.5 seconds |
| Pressure: | 30 to 70 psi |

The values shown above were taken from random samples from material we believe to be typical for the product; however, actual values may vary somewhat from those listed above. All-Spec Industries makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria and testing.