



Trade Name: Blac-Stat™
Description: VOLUME CONDUCTIVE BAG
Note: Humidity independent permanent ESD protection

DESCRIPTION

Our Blac-Stat™ volume conductive film and bags meet electrical requirements of MIL-P-82646A. Blac Stat™ is constructed from a single layer of carbon loaded polyethylene. Blac Stat's™ conductivity does not depend on humidity. It is non-sloughing, does not contaminate components it comes in contact with, despite repeated use and is groundable.

PROPERTIES	TEST METHOD	SPECIFICATION
Color	Visual	Black Opaque - Printable
Thickness	Micrometer	2 – 10 mil; as specified by customer
Tensile Strength	ASTM-D-882	MD > 2,000 PSI
Elongation	ASTM-D-882	MD 150%
Dart Impact	ASTM-D-1709	250 to 700 grams @ 26" drop
Tear Strength	ASTM-D-882	> 400 lbs. /in.
Mullen Burst	ASTM-D-774	20 – 60 PSI

ELECTRICAL PROPERTIES	TEST METHOD	SPECIFICATION
Volume Resistivity	ASTM-D-991	< 30,000 Ohms/cm
Surface Resistivity	ASTM-D-257	< 30,000 Ohms/sq

HEAT SEALING

Temperature: 250 - 375 °F *Time:* .5 – 3.5 sec *Pressure:* 30 – 70 PSI



APPLICATIONS

For packaging of static sensitive components where electrostatic discharge or tribo-charging is a concern or requirement, for ESD sensitive areas, for packaging of chemical & powder explosives or when clean, permanent ESD protection is required.

Sizes: As specified by the customer.

Products Available: Bags, tubing and sheeting.

*The values shown above were developed from random samples taken from production material we believe to be typical for the product. However, actual values may vary somewhat from those depicted here and PST 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. Nothing herein is to be taken as a license to operate under or recommendation to infringe upon any patent.

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