EcoSonic® VpCI®-125 Static Dissipative Film & Bags

DESCRIPTION

EcoSonic® VpCI®-125 Static Dissipative Film and Bags are unique in their ability to prevent corrosion and ESD damage. This film combines the most effective multi-metal corrosion protection with strong static dissipative properties. Cortec® VpCI® films and bags replace conventional rust preventatives such as oils and desiccants, allowing your product to be used immediately without cleaning or degreasing.

EcoSonic® VpCI®-125 bags effectively protect components from electrostatic discharge. EcoSonic® VpCI®-125 conforms to the surface resistivity and static decay requirements of MIL-PRF-81705 D (Static Dissipative Packaging Materials). EcoSonic® VpCI®-125 is safe to use and does not contain any harmful Prop 65 ingredients.

EcoSonic® VpCI®-125 has been tested effective for up to 3 years of corrosion protection and 2 years of ESD protection.

PACKAGING & STORAGE

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 1 year

ADVANTAGES

• Contains Vapor phase Corrosion Inhibitors (VpCI®) to protect void spaces and recessed areas
• Provides multi-metal VpCI® protection to ferrous and non-ferrous metals
• Prevents ESD damage
• Does not affect optical properties
• Does not affect plastics used in electronic industry
• Does not contain free amines or harmful Prop 65 ingredients
• Does not affect solderability of PCB or parts (IPC-J-STD-003C)

VARIETY OF SIZES

EcoSonic® VpCI®-125 is available in custom-size bags in both heat-sealable and zipper closure form, film, and tubing.

EcoSonic® VpCI®-125 is available in thicknesses from 2-6 mils (50-150 microns), with a maximum tube size of 50” (1.3 m).

METALS PROTECTED

EcoSonic® VpCI®-125 forms a molecular layer on metal substrates, which does not interfere with the physical or chemical properties of electronic components. Metals EcoSonic® VpCI®-125 protects include:

• Steel
• Copper, alloys
• Aluminum, alloys
• Brass
• Solder
• Nickel

For metals not specifically listed above, contact Cortec® Technical Service for information regarding their protection.
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PERFORMANCE

ESD properties conform to MIL-PRF-81705 D:
• Surface resistivity between $10^5$ and $10^{12}$ Ω
• Static decay rate <2 sec

TECHNICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Units</th>
<th>Typical Values*</th>
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*Typical values represent average laboratory values and are intended as guides only, not as specifications

APPLICATIONS

EcoSonic® VpCI®-125 Static Dissipative Film and Bags are recommended for packaging of static-sensitive components where triboelectric charge generation and corrosion are concerns. EcoSonic® VpCI®-125 is recommended for packaging of integrated circuits, printed circuit boards, PCB components, telecommunications equipment, electronic and electrical panels, and enclosures.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

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