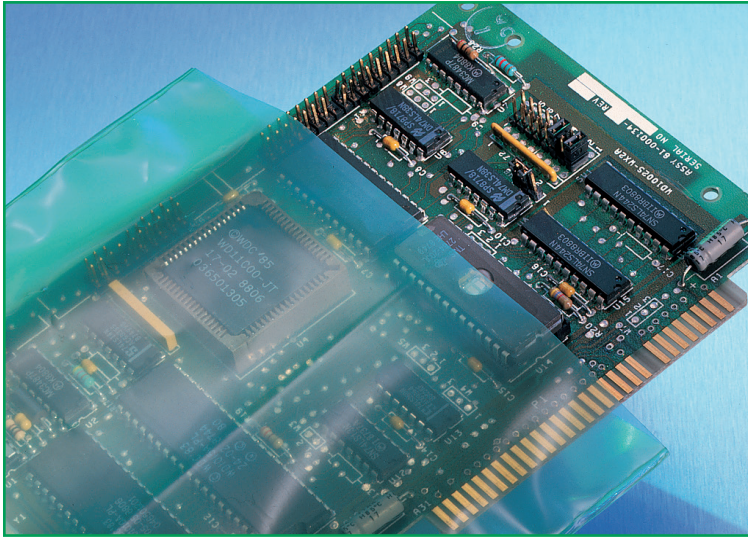


VpCI[®]-125 Static Dissipative Film and Bags



PRODUCT DESCRIPTION

VpCI[®]-125 Static Dissipative Film and Bags are unique in their ability to prevent corrosion and ESD damage. This film combines the most effective multimetal 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.

VpCI[®]-125 bags effectively protect components from electrostatic discharge. VpCI[®]-125 conforms to the surface resistivity and static decay requirements of MIL-PRF-81705D (Static Dissipative Packaging Materials). VpCI[®]-125 is non-toxic and doesn't contain free amines, phosphates, silicones, or other harmful materials.

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

ADVANTAGES

- Contains Vapor phase Corrosion Inhibitors (VpCI[®]) to protect void spaces and recessed areas
- Provides multimetal 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 toxic compounds



VARIETY OF SIZES

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

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

PERFORMANCE

ESD properties conform to MIL-PRF-81705 D:

- Surface resistivity between 10^5 and $10^{11} \Omega$.
- Static decay rate < 2 sec

Anti-stat film properties conform to requirement of IEC-61340-5-1:

- Surface resistivity between 10^5 and $10^{11} \Omega$

APPLICATIONS

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

METALS PROTECTED

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

PACKAGING AND STORAGE

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

The shelf life is 1 year.

MECHANICAL PROPERTIES

Property		Test Method	Units	Typical Values*
Caliper		ASTM D68988	mil	3.0
Breaking Factor	MD	ASTM D882-02	lbs/in	12.4
	TD			13.4
Tensile Strength at Break	MD	ASTM D882-02	psi	3014
	TD			3342
Elongation at Break	MD	ASTM D882-02	%	515
	TD			767
Yield Strength	MD	ASTM D882-02	psi	1194
	CD			1693
Tear Strength	MD	ASTM D1922-06a	mN	3924
	CD			16230
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	406

*Typical values represent average laboratory values and are intended as guides only, not as specifications

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION

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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Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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