



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

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.

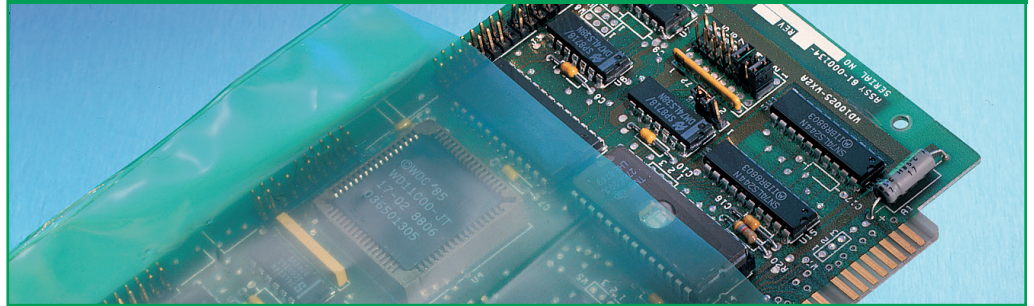
EcoSonic® VpCI®-125 has been tested effective for up to 3 years of corrosion protection and 2 years of ESD protection.

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

HIGH PERFORMANCE VpCI® PACKAGING



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.

EcoSonic® VpCI®-125 Static Dissipative Film & Bags

PERFORMANCE

ESD properties conform to MIL-PRF-81705 D:

- Surface resistivity between 10^5 and $10^{12} \Omega$
- Static decay rate <2 sec

TECHNICAL PROPERTIES

Property		Test Method	Units	Typical Values*
Caliper		ASTM D6988	mil	3.0
Breaking Factor	MD	ASTM D882-02	lbs/in	12.4
	CD			13.4
Tensile Strength at Break	MD	ASTM D882-02	psi	3014
	CD			3342
Elongation at Break	MD	ASTM D882-02	%	515
	CD			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

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.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

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.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Distributed by



4119 White Bear Parkway, St. Paul, MN 55110 USA
 Phone (651) 429-1100, Fax (651) 429-1122
 Toll Free (800) 4-CORTEC
 info@cortecvci.com
<https://www.cortecvci.com>
<https://www.cortecpackaging.com>



Valdamark Limited
 Unit 13,
 30 The Downs
 Altrincham, Cheshire, WP14 2PX,
 United Kingdom.
 valdamark@live.com
 Tel: +44 (0) 161 706 0388

