



EcoSonic® ESD 3D Hoods powered by Nano-VpCI®

PRODUCT DESCRIPTION

EcoSonic® ESD 3D Hoods powered by Nano-VpCI® are high-tech hoods combining the latest film technology with effective corrosion protection for all of your metal products. Sealing your product in Cortec® VpCI® 3D Hoods will protect metal parts from all types of corrosion including rust, tarnish, stains, white rust, and oxidation for up to 2 years (1 year for ESD protection).

EcoSonic® ESD 3D Hoods powered by Nano-VpCI® replace conventional rust preventatives such as oils and desiccants. VpCI® packaging eliminates the degreasing or coating removal required in the past and therefore enables time and financial savings. They can be used immediately.

EcoSonic® ESD 3D Hoods powered by Nano-VpCI® are transparent, making it easy to identify parts. Additionally, they do not contain free amines, phosphates, or halogen-based materials, they are non-toxic and recyclable. EcoSonic® ESD 3D Hoods powered by Nano-VpCI® protect metal objects of various sizes depending on your needs. They contain anti-static properties to immediately reduce or eliminate static buildup as long as the hoods are in use independent of the presence of humidity. EcoSonic® ESD 3D Hoods powered by Nano-VpCI® can be manufactured utilizing a wide array of the most advanced resins. Custom blends are available to give you the exact properties you need, whether it's improved puncture resistance, tear strength, or other requirements.



HIGH LEVEL OF CORROSION PROTECTION

Metal parts packaged in EcoSonic® ESD 3D Hoods powered by Nano-VpCI® receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The VpCI's vaporize and then condense to metal surfaces in the enclosed package. VpCI® will reach every area of your part, protecting its exterior as well as hard-to-reach interior surfaces. You get complete product protection during storage as well as during domestic and overseas shipments, virtually eliminating any rust claims. VpCI®-films are among best selling anticorrosion PE film in the world today, with the highest level of corrosion protection demonstrated by standard and internal corrosion test methods.

RECYCLABLE & ENVIRONMENTALLY CONSCIOUS

EcoSonic® ESD 3D Hoods powered by Nano-VpCI® received approval from a leading institute regarding the recycling and disposal of packaging materials containing Cortec® proprietary chemistry. Cortec® is committed to providing the most environmentally sustainable products in the industry. In addition to being fully recyclable, EcoSonic® ESD 3D Hoods powered by Nano-VpCI® are typically made with 20% recycled content; further improving the environmental footprint of this product.

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METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Silicon Steel
- Stainless Steel
- Copper
- Brass
- Cast Iron

SIZES

EcoSonic® ESD 3D Hoods powered by Nano-VpCI® are available in custom made sizes.

PACKAGING AND STORAGE

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 4-38 °C (40-100 °F). Shelf life: 2 years, (1 year for ESD protection).



PERFORMANCE

- ESD Properties conform to Mil-PRF-81705, IEC 61340-5-1
- Surface Resistivity between 1E-05 and 1E-12 Ωm.
- Static Decay Rate (Method 4046, MIL STD-3010A) - Less than 2 seconds
- Conforms to NACE Standard RP 0487-2000

TYPICAL MECHANICAL PROPERTIES

Property		Test Method	Units	VpCI®-126		
Thickness		ASTM D6988	µm	50	100	150
Breaking Factor	MD	ASTM D882	N/m	1629	3226	3306
	CD			1665	3277	3196
Tensile Strength at Break	MD	ASTM D882-02	MPa	32,81	30,50	21,95
	CD			31,74	30,04	21,44
Elongation at Break	MD	ASTM D882-02	%	607	779	770.4
	CD			676.3	835	833.7
Yield Strength	MD	ASTM D882-02	MPa	15,53	9,20	5,47
	CD			10,87	11,10	9,83
Tear Strength	MD	ASTM D1922-06a	mN	3755,3	11159,9	15853
	CD			7965,7	15413,5	20278,2
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	347.4	790	753.3

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

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