



## HIGH PERFORMANCE VpCI® PACKAGING

# VpCI®-126 Blue

**High Technology Vapor phase Corrosion Inhibiting Films and Bags**  
**Patented Worldwide - Multi-Metal VpCI® Systems**



## DESCRIPTION

Vapor phase Corrosion Inhibitor (VpCI®) 126 Series film combines the latest film technology with the most effective corrosion protection for all of your metal products. Sealing your product in Cortec® VpCI® films protects metal parts from all types of corrosion including rust, tarnish, stains, white rust, and oxidation for up to 5 years.\* It's as easy as putting your product in a Cortec® VpCI® package!

Cortec® VpCI® films and bags replace conventional rust preventatives such as oils and desiccants. You save even more because VpCI® packaging eliminates the degreasing or coating removal required in the past. Now your product can be used immediately. VpCI®-126 is transparent, making it easy to identify parts. Additionally, it does not contain free amines, phosphates, or halogen-based materials, and is non-toxic and recyclable.

VpCI®-126 Series films and bags protect metal objects as small as a needle to as large as the contents of an oceangoing container.

VpCI®-126 Blue 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 Cortec® VpCI®-126 Blue receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. The VpCIs vaporize and then condense to metal surfaces in the enclosed package. VpCI® reaches 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®-126 Series is the best selling anticorrosion PE film in the world today, with the highest level of corrosion protection demonstrated by standard and internal corrosion test methods. For further testing and case history information, please contact your Cortec® distributor or visit Cortec® at [www.cortecvci.com](http://www.cortecvci.com).

## FDA COMPLIANT AND RECYCLABLE

Cortec® VpCI®-126, when used as intended, is compliant with Food and Drug Administration regulations for packaging of food containers and food handling equipment. In addition, Cortec® VpCI®-126 Blue has 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, VpCI®-126 Blue film is typically made with 20% recycled content; further improving the environmental footprint of this product.

## METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Silicon Steel
- Stainless Steel
- Silver
- Copper
- Solder
- Brass



\*Depending on film construction thickness and application

## SIZES AND CONSTRUCTIONS

Cortec® VpCI®-126 Blue is heat sealable and can be used with all types of manual or automated heat-seal packaging equipment. The material is available in a variety of standard and customized forms including bags, sheeting-reinforced film, Zip-Lock and Auto-Bags, gusseted liners, bags-on-a-roll, perforated sheeting, coil covers, shrink film, and tubing to protect small or large parts. Antistatic (ESD) varieties are available as well as coextruded constructions. Opaque formulations are also available.

Cortec® VpCI® film is available in a variety of gauges ranging from 2 to 10 mils (50-250 microns) and widths from 3" to 32' (7.6 cm - 9.7 m).

## TYPICAL MECHANICAL PROPERTIES

Property		Test Method	Units	VpCI®-126		
Caliper		ASTM D6988	mil	2.00	4.00	6.00
Breaking Factor	MD	ASTM D882-02	lbs/in	9.30	18.42	18.88
	TD			9.51	18.71	18.25
Tensile Strength at Break	MD	ASTM D882-02	psi	4758.58	4423.85	3184.35
	TD			4603.04	4356.67	3109.60
Elongation at Break	MD	ASTM D882-02	%	607.03	778.50	770.37
	TD			676.29	835.02	833.65
Yield Strength	MD	ASTM D882-02	psi	1528.22	1334.39	793.85
	CD			1575.78	1610.36	1425.18
Tear Strength	MD	ASTM D1922-06a	mN	3755.27	11159.86	15852.96
	CD			7965.72	15413.48	20279.24
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	347.35	790.91	753.28

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

## SHELF LIFE

The shelf life of VpCI®-126 Blue film is 2 years.

## STANDARD TEST METHODS

ASTM D-882	Tensile Strength at Break/Peak
ASTM D-882A	% Elongation at Break
ASTM D-1922	Tear Test
ASTM D-3420	Puncture Resistant
ASTM D6988-07	Film Thickness
ASTM D1748	Humidity
ASTM D1735	Water Fog
ASTM D2732-30	Shrink Test (shrink films only)
NACE TM0208-2008	Vapor Inhibiting Ability
NACE RP0487-2000	Selection of Rust Preventatives
MIL-PRF-22019E	Performance Requirements
MIL-PRF-22020E	

## 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.

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.

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