



# HIGH PERFORMANCE VpCI® PACKAGING

## VpCI®-126 Blue

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



#### 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).

#### 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.

#### RECYCLABLE & ENVIRONMENTALLY CONSCIOUS

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

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

\*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, top-seal 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		
Thickness		ASTM D6988	mil (µm)	2.0 (50)	4.0 (100)	6.0 (150)
Breaking Factor	MD	ASTM D882	lbs/in (N/m)	9.3 (1629)	18.4 (3226)	18.9 (3306)
	TD			9.5 (1665)	18.7 (3277)	18.3 (3196)
Tensile Strength at Break	MD	ASTM D882-02	psi (kPa)	4759 (32.812)	4424 (30.502)	3184 (21.953)
	TD			4603 (31.737)	4357 (30.040)	3110 (21.443)
Elongation at Break	MD	ASTM D882-02	%	607	779	770.4
	TD			676.3	835	833.7
Yield Strength	MD	ASTM D882-02	psi (kPa)	1528 (10.535)	1334 (9198)	794 (5474)
	CD			1576 (10.866)	1610 (11.101)	1425 (9825)
Tear Strength	MD	ASTM D1922-06a	mN	3755.3	11159.9	15853
	CD			7965.7	15413.5	20279.2
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.**

## 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).

Shelf life: 2 years

### 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.

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

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[www.hitek-ltd.co.uk](http://www.hitek-ltd.co.uk)  
 +44 (0)1724 851678



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