

VpCI®-126 ES Film

**Extra Strength Vapor phase Corrosion Inhibiting Films and Bags
Patented Worldwide
Multimetal VpCI Systems**



DESCRIPTION

Vapor phase Corrosion Inhibitor (VpCI) 126 Series film combine 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!

VpCI-126 ES Film is specially formulated to provide increased mechanical properties for applications requiring a more durable film. VpCI-126 ES Film also provides an option to downgauge without sacrificing mechanical properties.

Cortec VpCI films and bags replace conventional rust preventatives such as oils and desiccants. You save even more because Cortec VpCI packaging eliminates all the degreasing or coating removal required in the past. Your product can now be used immediately. VpCI-126 ES 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.



MULTIMETAL VpCI

Metal parts packaged in Cortec VpCI-126 ES 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 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.

FDA APPROVED AND RECYCLABLE

Cortec VpCI-126 Series Films have received approval by the Federal Drug Administration for use on food containers and food handling equipment. In addition, Cortec VpCI-126 Series Films have received approval from a leading institute regarding the recycling and disposal of packaging materials containing Cortec proprietary chemistry.

HIGH LEVEL OF CORROSION PROTECTION

The 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 www.cortecvci.com.

* Depending on film construction thickness and application

TRUE VpCI PROTECTION

The Cortec VpCI-126 Series is the only film available today that offers a balanced combination of vapor phase and contact corrosion protection combined with high-tech resin and extrusion technology.

METALS PROTECTED

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

WIDE VARIETY OF SIZES AND CONSTRUCTIONS

Cortec VpCI-126 ES 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. Opaque formulations are also available.

Cortec VpCI film is available in 2, 2.5, and 3 mils (50-75 microns) and widths from 3" to 32' (7.6 cm - 9.7 m).

SHELF LIFE

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

TYPICAL MECHANICAL PROPERTIES

Property		Test Method	Units	VpCI-126 ES		
Caliper		ASTM D6988	mil	2.00	2.50	3.00
Breaking Factor	MD	ASTM D882-02	lbs/in	10.13	10.70	11.64
	TD			9.78	11.04	11.36
Tensile Strength at Break	MD	ASTM D882-02	psi	4358.50	4278.00	3878.35
	TD			4210.85	4364.30	3787.35
Elongation at Break	MD	ASTM D882-02	%	629.74	663.41	718.35
	TD			729.17	750.92	768.32
Yield Strength	MD	ASTM D882-02	psi	1106.45	993.56	1033.83
	CD			1546.61	1586.20	1352.57
Tear Strength	MD	ASTM D1922-06a	mN	3610.08	6749.28	8224.70
	CD			125054.53	14408.93	16700.55
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	548.70	599.74	624.99

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

Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT SAFETY DATA SHEET FOR MORE

INFORMATION

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:



www.esvasolutions.com

printed on recycled paper  100% post consumer

Revised: 1/16/14, ©Cortec Corporation 2001-2014. Supersedes: 1/14/13 Cortec®, VpCI-126® are registered trademark of Cortec Corporation. ©2014, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.