

VpCI®-126 ES Film, Patented

DESCRIPTION

VpCI®-126 Series films combine the latest film technology with the most effective corrosion protection for all of your metal products. Sealing your product in VpCI® film 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 for downgauging 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 translucent, making it easy to identify parts. Additionally, it does not contain free amines or phosphates, and it is non-hazardous and recyclable.

PACKAGING & STORAGE

VpCI®-126 ES Film is available in 2, 2.5, and 3 mil (50-75 micron) thicknesses and widths from 3" to 32' (7.6 cm to 9.7 m).

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

HIGH PERFORMANCE VPCI® PACKAGING



MULTI-METAL VpCI®

Metal parts packaged in VpCI®-126 ES receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. VpCI® molecules vaporize, then condense on 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.

RECYCLABLE & ENVIRONMENTALLY CONSCIOUS

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.

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.

**Depending on film construction thickness and application*

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METALS PROTECTED

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

TYPICAL PROPERTIES

Property		Test Method	Units	VpCI®-126 ES		
Thickness		ASTM D6988	mil (µm)	2.0 (50)	2.5 (62.5)	3 (75)
Breaking Factor	MD	ASTM D882	lbs/in (N/m)	10.1 (1769)	10.7 (1874)	11.6 (2031)
	CD			9.8 (1716)	11.0 (1926)	11.4 (1996)
Tensile Strength at Break	MD	ASTM D882-02	psi (kPa)	4359 (30,050)	4278 (29,500)	3878 (26,740)
	CD			4211 (29,030)	4364 (30,090)	3787 (26,110)
Elongation at Break	MD	ASTM D882-02	%	630	663	718
	CD			729	751	768
Yield Strength	MD	ASTM D882-02	psi (kPa)	1107 (7632)	994 (6853)	1034 (7129)
	CD			1547 (10,670)	1586 (10,940)	1353 (9329)
Tear Strength	MD	ASTM D1922-06a	mN	3610	6749	8225
	CD			12,550	14,410	16,700
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	549	600	625

****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 operation conditions.***

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, 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. Opaque formulations are also available.

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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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