



**CORTEC**  
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

**RoHS**  
COMPLIANT

## VpCI®-126 FR

### 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 Cortec® VpCI® films protects metal parts from all types of corrosion including rust, tarnish, stains, white rust, and oxidation for up to 5 years.\* VpCI® films and bags replace conventional rust preventatives such as oils and desiccants and eliminate the extra time and labor previously required for degreasing or coating removal. Now your product can be used immediately.

VpCI®-126 FR is a custom grade film containing flame retardant additives, which provide added safety and protection. VpCI®-126 FR is heat sealable and can be used with all types of manual or automated heat-seal packaging equipment. Custom blends are available to give you the exact properties you need, whether for improved puncture resistance, tear strength, or other requirements.

### PACKAGING & STORAGE

VpCI®-126 FR is available in a range of custom forms and sizes.

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



### MULTIMETAL VpCI®

Metal parts packaged in Cortec® VpCI®-126 FR receive continuous protection against salt, excessive humidity, condensation, moisture, aggressive industrial atmospheres, and dissimilar metal corrosion. Vapor phase Corrosion Inhibitors vaporize and then condense on metal surfaces in the enclosed package. These VpCI® molecules 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 rust claims.

### 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 Cortec® at: [www.cortecvci.com](http://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.

### METALS PROTECTED

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

*\*Depending on film construction thickness and application.*

# VpCI®-126 FR

## FLAME RETARDANCY TESTING

VpCI®-126 FR has been third-party tested and found to pass NFPA 701-2010 "Fire Test for Flame Propagation of Textiles and Films," Test Method 2 (Flat Configuration).

### NFPA 701-2010, TEST METHOD 2 (Flat Configuration)

Parameter	VpCI®-126 FR	Requirements
After Flame, sec.	0.0	2.0 max
Char Length, inch	11.9	17.1 max
Drippings and Flaming, sec.	0.1	2.0 max
Conclusion	Pass	

## TYPICAL PROPERTIES

Property		Test Method	Units	
Caliper		ASTM D6988	mil	4.0
Breaking Factor	MD	ASTM D882-02	lbs/in	16.28
	CD			15.47
Tensile Strength at Break	MD	ASTM D882-02	psi	4022.44
	CD			3968.27
Elongation at Break	MD	ASTM D882-02	%	752.47
	CD			771.33
Yield Strength	MD	ASTM D882-02	psi	1372.72
	CD			1489.72
Tear Strength	MD	ASTM D1922-06a	mN	12368.45
	CD			13686.91
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	745.47
Coefficient of Friction	Static	ASTM D1894		0.53
	Kinetic			0.53

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

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### LIMITED WARRANTY

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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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