

# Cor-Pak® VpCI® Liner HDPE Film



## DESCRIPTION

Cor-Pak VpCI Liner Film is a special high-density 1 mil (25.4 microns) film designed for two specific purposes:

1. Liner film for foam-in-place applications
2. Liner film for protecting parts shipped or stored in trays
3. Interleaving film

This film protects metals primarily through contact and Vapor phase Corrosion Inhibition action.

Cor-Pak VpCI Liner Film is exceptionally light and strong, with superior barrier properties, puncture and tear resistance. It can be successfully used for wrapping and interleaving applications as well.

## FEATURES

- Protects ferrous and non-ferrous metals
- Excellent barrier properties
- Excellent tear and puncture resistance
- Excellent flexibility for easy application on foam-in-place machinery and manual wrapping
- Light weight for low shipping costs
- 100% recyclable

## FOAM-IN-PLACE CUSHIONING METHOD

This process was designed for products that are heavy with irregular shapes, high in value and in short production runs that are labor intensive. This method is suitable for certain types of industrial and military equipment, in the weight range of 50-100 lb (23-45 kg).

The VpCI Liner Film will protect the product from corrosion when heat and moisture is generated from the foam in place.

## FOAM-IN-PLACE PACKAGING TECHNIQUE

A small amount of liquid is dispersed into the bottom of a case with a mixing gun. As the liquid begins to foam, a sheet of Cor-Pak VpCI Liner Film is placed over the foam, and the product is put in the center. Another Cor-Pak VpCI Liner Film sheet is laid over the product, and additional liquid is put on the top. The Cor-Pak Film is then folded over and the box is quickly closed and sealed.

A second method is to place the metal product on the bottom of the crate, place the film on top of the product and then fill the remaining space with the foam in place.

## METALS PROTECTED

- Steel
- Copper
- Brass
- Aluminum
- Iron

For metals not specifically listed above, please contact Cortec for information regarding their protection.

## PACKAGING AND STORAGE

Cor-Pak VpCI Liner Film is available through custom order only in single sheeting in 36" and 48" (91 and 122 cm) widths.

Cor-Pak VpCI Liner Film should be stored indoors at ambient temperatures, sealed in their original packaging. Shelf life is up to 2 years in original packaging. Film should be sealed to minimize air exchange.

## MECHANICAL PROPERTIES

Property		Test Method	Units	Average
Caliper		ASTM D6988		1.25
Breaking Factor	MD	ASTM D882-02	lbs/in	7.06
	TD			4.69
Tensile Strength at Break	MD	ASTM D882-02	psi	4976.58
	TD			3304.19
Elongation at Break	MD	ASTM D882-02	%	673.44
	TD			787.27
Yield Strength	MD	ASTM D882-02	psi	2315.75
	CD			244.34
Tear Strength	MD	ASTM D1922-06a	mN	130.47
	CD			3861.22
Puncture Resistance		MIL-STD-3010B, TM 2065	lbf	2.03
Dart Drop Impact Resistance		ASTM D1709-04, Test Method A	grams	<37.6
Coefficient of Friction	Static	ASTM D1894		0.22
	Kinetic			0.22

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

### FOR INDUSTRIAL USE ONLY

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL 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:

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@cortecvci.com  
 Internet <http://www.CortecVCI.com>

printed on recycled paper  100% post consumer  
 Revised 2/24/12. Cortec Corporation 2002-2012. All rights reserved. Supersedes: 1/31/11.  
 Cor-Pak® and VpCI® are trademarks of Cortec Corporation.  
 © 2012, 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.