



HIGH PERFORMANCE VCI PACKAGING

VCI-121 Barrier Film

DESCRIPTION

VCI-121 Barrier Film is aluminum metallized polyester with VCI-126 polyethylene film laminated to it. This combination is an excellent barrier to water vapor, gas, ultraviolet light and odor.

FEATURES

- Protects ferrous and non-ferrous metals
- Flexible, heat-sealable
- High barrier block to water vapor, oxygen and carbon dioxide
- High tensile strength, tear and puncture resistance
- Aesthetic metallic appearance

TESTING DATA

VCI-121 Barrier Film Composition
*90% RH, 95°F

Aluminum metallized PET plus PE VCI

APPLICATION

This material is designed for the exceptional protection of moisture-sensitive and oxygen-sensitive metal parts. Ideal for vacuum packaging. Eliminates the need for desiccants while providing complete corrosion protection.

PACKAGING

Available in custom sizes. Contact Cortec Corporation for more information.

Property	Value	Test Method
Thickness	4.2 mils (105 microns)	--
Weight	118 g/m ²	--
Average Peak Strength, psi (MD/CD)	5765/5668	ASTM D 882-97
Average Breaking Factor, psi (MD/CD)	3600/3751	ASTM D 882-97
Average Break Elongation, % (MD/CD)	30.9/26.7	ASTM D 882-97
Average Yield Strength, psi (MD/CD)	5765/5668	ASTM D 882-97
Average Yield Elongation, % (MD/CD)	29.7/25.0	ASTM D 882-97
Average Elastic Modulus, psi (MD/CD)	217,200/226,100	ASTM D 882-97
Puncture Resistance		
Average Peak Load, lb.	22.74	Fed. Std. 101C, Method 2065.1
Average Elongation, in.	0.289	
Water Vapor Transmission Rate*	<0.05 gm/100 in ² , 24 hr.	ASTM F 1429 (PERMATRAN)
Permeability of Oxygen**	<0.05 cc/100 in ² , 24 hr.	ASTM D 3985-81 (OXYTRAN)

**760 mmHg, 100% O₂, 77°F

Note: The values listed above were developed from random sample testing taken from production materials. We believe them to be typical for the product, however values may vary from above data.



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 cortecvci.com

printed on recycled paper  10% post consumer
Revised 8/30/00. ©Cortec Corporation 2000. All rights reserved. Supersedes: 4/2/96.



Certificate No. 43345