



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

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.

TESTING DATA

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

Aluminum metallized PET plus PE VCI

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

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