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 Aluminum metallized PET plus PE VCI

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>4.2 mils (105 microns)</td>
<td>--</td>
</tr>
<tr>
<td>Weight</td>
<td>118 g/m²</td>
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</tr>
<tr>
<td>Average Peak Strength, psi (MD/CD)</td>
<td>5765/5668</td>
<td>ASTM D 882-97</td>
</tr>
<tr>
<td>Average Breaking Factor, psi (MD/CD)</td>
<td>3600/3751</td>
<td>ASTM D 882-97</td>
</tr>
<tr>
<td>Average Break Elongation, % (MD/CD)</td>
<td>30.9/26.7</td>
<td>ASTM D 882-97</td>
</tr>
<tr>
<td>Average Yield Strength, psi (MD/CD)</td>
<td>5765/5668</td>
<td>ASTM D 882-97</td>
</tr>
<tr>
<td>Average Yield Elongation, % (MD/CD)</td>
<td>29.7/25.0</td>
<td>ASTM D 882-97</td>
</tr>
<tr>
<td>Average Elastic Modulus, psi (MD/CD)</td>
<td>217,200/226,100</td>
<td>ASTM D 882-97</td>
</tr>
</tbody>
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Puncture Resistance
Average Peak Load, lb.
Average Elongation, in.

22.74
0.289

Water Vapor Transmission Rate* <0.05 gm/100 in², 24 hr.

Permeability of Oxygen** <0.05 cc/100 in², 24 hr.

*90% RH, 95°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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