VpCI®-126 PCR

Patented High Technology Vapor phase Corrosion Inhibiting Films with Post-Consumer Recycled Content

PRODUCT DESCRIPTION

Patented VpCI®-126 Series Film combines the latest film technology with effective corrosion protection for all of your metal products. VpCI®-126 PCR corrosion inhibiting film has been developed with a high amount of post-consumer recycled content for the purpose of efficient recovery, recycling, and reuse of resources to minimize the economy’s negative ecological footprint.

VpCI®-126 PCR helps customers meet their sustainability goals without compromising quality specifications related to mechanical and corrosion inhibiting properties. VpCI®-126 PCR protects metal parts from all types of corrosion, including rust, stains, tarnish, white rust, and oxidation for up to 5 years.* It’s as simple as putting your product in a VpCI® package!

PACKAGING & STORAGE

VpCI®-126 PCR is available in a variety of gauges ranging from 50-250 microns (2 to 10 mils) and widths from 76 mm-9.7 m (3” to 32’).

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 4-38 °C (40-100 °F).

Shelf life: 2 years

FEATURES

- Contains Vapor phase Corrosion Inhibitors (VpCI®) to protect void spaces and recessed areas
- Made with guaranteed 30% post-consumer recycled content
- Uses recycled content of high, consistent quality
- Recyclable
- Conforms to NACE Standard RP 0487-2000

BENEFITS

- Provides multi-metal protection to ferrous and non-ferrous metals
- Contributes to “circular economy” by using recycled content

METALS PROTECTED

- Aluminum
- Galvanized Steel
- Carbon Steel
- Silicon Steel
- Stainless Steel
- Copper
- Brass
- Cast Iron

APPLICATION

Cortec® VpCI®-126 PCR is heat-sealable and can be used with all types of manual or automated heat-seal packaging equipment. The material is available in a variety of standard and customized forms including bags, sheeting-reinforced film, top-seal and auto bags, gusseted liners, bags-on-a-roll, perforated sheeting, coil covers, and tubing to protect small or large parts.

*Depending on film construction thickness and application.
## HIGH LEVEL OF CORROSION PROTECTION

Metal parts packaged in Cortec® VpCI®-126 PCR receive continuous protection from salt, excessive moisture, condensation, aggressive industrial atmospheres, and dissimilar metal corrosion. VpCI® evaporates and then condenses on metal surfaces in the enclosed package. VpCI® reaches every area of your part, protecting its exterior as well as hard-to-reach interior surfaces. You get full product protection during storage as well during domestic and international shipments, almost eliminating any rust claims.

### TYPICAL MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Units</th>
<th>VpCI®-126 PCR</th>
<th>VpCI®-126 BLUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>ASTM D6988</td>
<td>µm (mil)</td>
<td>125 (5)</td>
<td>125 (5)</td>
</tr>
<tr>
<td>Breaking Factor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MD</td>
<td>ASTM D882-02</td>
<td>N/m (lbs/in)</td>
<td>2779,92 (15,87)</td>
<td>2937,01 (16,77)</td>
</tr>
<tr>
<td>CD</td>
<td></td>
<td></td>
<td>2321,92 (13,26)</td>
<td>2691,60 (15,37)</td>
</tr>
<tr>
<td>Tensile Strength at Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MD</td>
<td>ASTM D882-02</td>
<td>MPa (psi)</td>
<td>22,10 (3205.33)</td>
<td>22,34 (3240,14)</td>
</tr>
<tr>
<td>CD</td>
<td></td>
<td></td>
<td>18,76 (2720.91)</td>
<td>21,19 (3073.34)</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td></td>
<td>%</td>
<td>635,2</td>
<td>675,4</td>
</tr>
<tr>
<td>CD</td>
<td>ASTM D882-02</td>
<td></td>
<td>769,8</td>
<td>857,2</td>
</tr>
<tr>
<td>Tear Strength</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MD</td>
<td>ASTM D1922</td>
<td>mN</td>
<td>5807,52</td>
<td>6906,24</td>
</tr>
<tr>
<td>CD</td>
<td></td>
<td></td>
<td>17265,60</td>
<td>17474,88</td>
</tr>
<tr>
<td>Impact Puncture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ASTM D3420-0495 B</td>
<td>N J</td>
<td>17631,84</td>
<td>17684,16</td>
</tr>
<tr>
<td>BUR</td>
<td>0.637 x LF/Die Diameter</td>
<td></td>
<td>1,52</td>
<td>1,52</td>
</tr>
</tbody>
</table>

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

---

**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.

Revised: 24/1/23. Supersedes: N/A. ©Cortec Corporation 2002-2023 of Cortec® Corporation. All Rights Reserved. Copying and/or manipulation of these materials in any form without the written authorization of Cortec® Corporation is strictly prohibited. 2023, ©Cortec® Corp. ISO accreditation applies to EcoCortec processes only.