Product & Technical Data Sheet

Product Name: RustX VCI Film
Code: 701/702 / 703 / 704
Size: Available in sheet, rolls, tubes, bags, gusseted bags and 3 dimensional bags
Film Quality: Virgin polymers and a proprietary blend of VCI
Technology: SMP (Speedy Moisture Passivation)
Appearance: Available in Blue/Yellow/Transparent and Green
UV: Available for upto 5 years

Product Description
RustX VCI Films are manufactured with speciality high strength polymers that have high transparency and excellent mechanical properties like tensile strength and elongation. RustX Films are produced on monolayer or co extrusion lines to provide optimal water vapour and oxygen transmission rates.

SMP Technology
Rust-X patented VCI technology of speedy moisture passivation has helped automotive, aerospace, engineering and heavy metals industry a great deal.

SMP VCI acts within seconds and lasts upto 15 years. Previous industry standards of 6 to 8 hours of VCI action resulted in non de-activation of moisture and acceleration of corrosion when goods were packed.

20% of RustX VCI evaporates with 6 hours and remaining 80% is exhausted over a period of 15 years. It is the first 6 hours of packing in which maximum condensation takes place on metal surface after opening the bag and placing the parts. It is quintessential that this moisture is immediately reacted with VCI to neutralize it else moisture that settles on metal will cause corrosion resulting in formation of Ferrous Oxide.

pH Neutralization
VCI also alters the pH value of the packaging to around 8-9 which makes an alkaline. In an alkaline atmosphere the possibility of corrosion reduces substantially for years and years together. RustX VCI neutralizes the packaging within 1 minute by changing the Red Litmus Solution to Blue/Green which represents a pH value of 8-9 unlike competition which takes upto hours to do so.

Additives
RustX Additives are REACH Approved and ROHS Compliant. All additives are produced under supervision of chemists.

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Email: info@rustx.net
Website: www.rustxusa.com | www.rustx.net

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit / Specification Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elongation</td>
<td>MD 425 - 515%</td>
<td>ISO 527-3</td>
</tr>
<tr>
<td>Elongation</td>
<td>CD 650 - 800%</td>
<td>ISO 527-3</td>
</tr>
<tr>
<td>WVTR</td>
<td>0.54 ±0.1 [g/(m²*d)]</td>
<td>DIN 53122T2</td>
</tr>
<tr>
<td>Density</td>
<td>920-940 kg/m3</td>
<td>ISO 1183</td>
</tr>
<tr>
<td>Thickness used for calculation</td>
<td>120 microns</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Dart Drop: Puncture resistance</td>
<td>585 g</td>
<td>ISO7765-1</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>MD 145 kg / sq cm</td>
<td>ASTM D882-02</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>CD 118 kg / sq cm</td>
<td>ASTM D882-02</td>
</tr>
</tbody>
</table>
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Markings
RustX product is printed with RustX logo and patent numbers. All packages are printed with manufacturing date and shelf life of product.

Storage
Store the product in cool dry place ideally inside a shed / warehouse with no exposure to direct sunlight, rain, moisture water and acidic environment and the product can be stored before use for upto 2 years

Protective life span
The product can provide optimum corrosion prevention for a period of upto 10 years. For a complete corrosion analysis and righteous application procedure contact info@rustx.net with your pictorial reference and process workflow

Safety
This product is safe for human, ecological and environment. No labels or markings are required. Refer the MSDS for further details

REACH Certification
RustX Products are free from secondary amines and nitrosaines and comply with the TRGS615. They are also free from heavy metals like Cd, Cr, Pb, Hg, Cu and Mo. RustX VCI films are in line with the EU directives 94/62/EC and 2004/12/EG

Recyclability
This product can be shredded or granulated and falls under the classification LDPE04

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Disclaimer
RustX Films are meant for Corrosion Prevention of ferrous and non ferrous metals. It must not be used in contact with food, water or eatables. The information submitted in the documents is to the best of the knowledge of the company and any liability whatsoever concerning accuracy and completeness of information shall not be imposed on the company. RustX products when used with any other products may cause incompatibility for which RustX doesn't hold any responsibility. RustX products can only be sold by its authorized agentx, distributors or the company itself.