Technical Datasheet

Product: VCI Shrink Film

TDS No. 400096
Publication Date: 1st April 2016

www.rustx.net
info@rustx.net
RUST-X VCI Shrink Film is a specially designed product for the packaging of heavy equipment, armament, pallets, vehicles, automotive parts, engines, wind mills, power plant equipment, chemical plant equipment etc.

RUST-X VCI film provides better corrosion protection compared to using ordinary Shrink Film and provides a single product with multiple features such as abrasion protection, movement restriction, water barrier as well as moisture barrier hence providing excellent option for long term preservation.

The VCI properties of the shrink film provide long term corrosion resistance due to the vapor corrosion inhibiting technology induced in the shrink film. The protective vapors are emitted from the film, which have the tendency to neutralize the moisture as well as form a multi-molecular film on the surface of the metal and inhibit the electrolytic process of oxidation.

The film is available as tube, sheet or in the form of 3-D covers to wrap the equipment suiting the size of the equipment or the pallet. The film is very tough and cannot be stretched or punctured easily after shrinking.

The VCI Shrink film has excellent protection against UV radiation and the packaging can be stored outdoor for upto 3 years.

The film is available as transparent also for ease of visibility of the part or equipment packed in it.

Suitable For

3 D bags or 2 D bags can be used as per the desired dimensions and components can be packed and sealed in VCI bags using heat sealer.
Features

- Powerful and extreme toughness and pliability to conform to coil configuration
- Multi-metal VCI protection for all surfaces
- High stretch ability
- Sharp edge resistance due to multi-molecular linking for increased strength
- Minimal equipment investment with substantial reduction in labor costs
- Increased production through-put
- Eliminates cost and associated problems
- Dry packaging compatible product
- Quick to use, remove and easy to recycle

Properties

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Test Method</th>
<th>VCI Shrink Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Visual</td>
<td>Transparent Blue, White, Yellow, Green</td>
</tr>
<tr>
<td>Thickness Availability</td>
<td>Micrometer</td>
<td>100, 150, 200, 250 microns</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>ASTM D 1298</td>
<td>0.92</td>
</tr>
<tr>
<td>Razor Blade Test</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>VCI Test (VIA)</td>
<td>TL8135-0002</td>
<td>Pass</td>
</tr>
<tr>
<td>Dart Drop Impact Test (gf) (100 micron film)</td>
<td>ASTM 1709-09</td>
<td>250 +</td>
</tr>
<tr>
<td>UV Stability</td>
<td></td>
<td>UV Protected for upto 3 years</td>
</tr>
</tbody>
</table>

Application Method

The product to be packed can be wrapped with shrink film and then passed through heating tunnel or subjected to hot air through a gas gun or heated air gun. The temperature for shrinking tunnel needs to be maintained above 150 °C. This doesn't mean that the product will also reach 150 °C. The process increases the temperature of the film and there is hardly any impact on the temperature of the product inside.
Disposal

Wastes should be disposed off in accordance with local regulations.

**Recommendation:** Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
Packaging that may not be cleansed must be disposed off in the same manner as the product.

Safety Information

RUST-X Rust Preventive Oils do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr₆), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the restricted substances listed in Article 4(1) of the RoHS Directive. RUST-X Rust Preventive Oils are also REACH Compliant for exports to the European Union.

Declaration

This Data sheet and information it contains is considered to be accurate at the date of printing. No representation or warranty, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User’s obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations.

Revision No. 8  Revision Date: 1st April 2016