

RUST-X USA

Technical Datasheet

Product: VCI Plastic

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www.rustx.net
info@rustx.net

Product Description

RUST-X VCI film is manufactured using a patented process and structure.

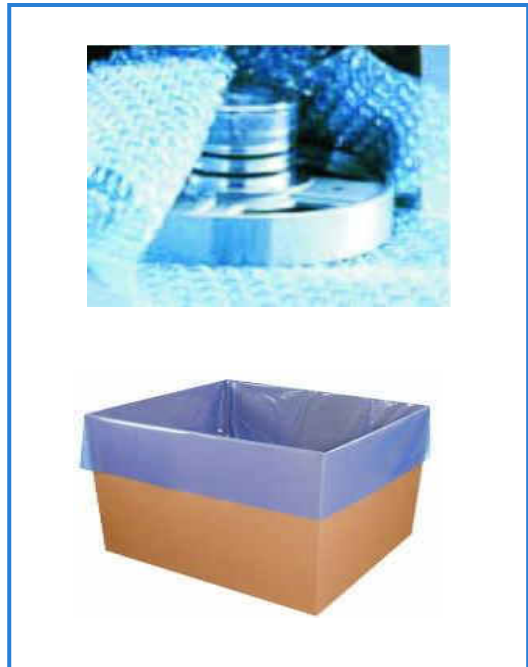
This is ideally used for packaging of food products or from equipment packaging for long term storage and transportation.

VCI stands for Volatile Corrosion Inhibitors. VCI Plastics make use of VCI Technology to protect metallic components packed in them. RUST-X VCI Plastics works on SMP technology for speedy moisture passivation.

The VCI molecules work by evaporation and condensation on the cooler metal parts and prevent corrosion wherever they settle. In effect a corrosion inhibiting layer comprising of macromolecules is deposited on the part.

This works by preventing the forward reaction of corrosion by inhibiting electron flow, altering pH as well as by forming a physical barrier to oxygen and water vapour. Steel Components packed in RUST-X VCI can be protected for up to 10 years when combined with our other VCI Solutions.

Product & Application Images



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

- Multi metal Protection
- SMP Technology for Speedy Moisture Passivation
- Excellent Oxygen and Water Vapour Barrier
- Transparent for easy observation of Part
- Heat Sealable for an Inert Packaging system
- Can be printed or written upon for easy identification of parts

Application

The product is used for packing of machines, auto parts, steel products etc. It is ideal to accompany Desiccants along with the bags to reduce humidity packed inside the packaging. Heat sealing of bag is preferred to reduce any new moisture entering the packaging. 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.

Properties

Physical Properties	Test Method	Value
Colour	Visual	Blue, Yellow, Transparent
Specific Gravity		0.92-0.94
Tensile Strength MD	ASTM D 882	173 kg/cm ²
TD	ASTM D 882	118 kg/cm ²
Elongation MD	ASTM D 882	200%
TD	ASTM D 882	570%
Dart Drop Impact Strength	ASTM D 1709	460 g
Heat Seal Temperature		120 °C
Corrosion Test	ASTM B 117	500 hours +
Corrosion Test	D 1748	1000 hours +
Corrosion Test	German VIA 8135-002	Grade 3 (best)
Corrosion Test	US MIL PRF 22019	Grade 3 (Best)
Protection Period		Up to 10 years with recommended packaging system
Available Thickness		75, 50, 100, 150, 200 and 300 microns
Puncture Force	8 lb	
Melt Index (190°C/kg)	1.0 g/10 min	

Forms Available

2 Dimensional Bags, 3 Dimensional bags, Single layer Sheet, Tube Rolls

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 donot contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the re-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

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