

RUST-X USA

Technical Datasheet

Product: Tuffpaulin
Grade: VCI Tuffpaulin

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Product Description

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

Tuffpaulin as the name suggests is a highly tough plastic film with very high puncture resistance, high tear resistance, improved tensile strength, higher dart impact strength, higher resistance to tear propagation, excellent moisture barrier and is used in highly demanding applications.

RUST-X TUFFPAULIN VCI is specially designed product for the packaging of heavy equipment, armament, pallets, vehicles, automotive parts, engines, wind mills, power plant equipment, chemical plant equipment etc. Tuffpaulin is a 6 layered cross laminated multi layered plastic film with pseudo thickness imparted to improve strength and reduce tear propagation.

RUST-X TUFFPAULIN VCI film provides better corrosion protection compared to using ordinary VCI 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 TUFFPAULIN VCI film emits protective vapors, 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.

Product & Application Images



Suitable For

Tuffpaulin VCI Film is available in form of 2 dimensional bags, 3 Dimensional Bags and covers or in the form of sheet. The product to be packed can be wrapped with RUST-X TUFFPAULIN VCI film and then heat-sealed using a continuous tong type heat sealer. This results in the formation of an enclosed atmosphere with highly inert atmosphere which resists rusting.

Features

- Multi metal Protection
- Cross laminated
- 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, for water resistance 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, White, Yellow, Green
Available Thickness (microns)		90, 100, 150, 200, 300 & 500 microns
Specific Gravity	ASTM D 1298	0.92
Surface pH		9
VCI Test (VIA)		Pass
Salt Spray in VCI	ASTM B 117	500hrs +
Tensile Strength (100 gsm film)	MD/CD	250kg/cm ² for 150 gsm
Dart Impact Strength (100 gsm film)	ASTM 1709-09	300 gf
Elongation		450%

Forms Available

2D Bags, 3D bags, Cut Sheets, 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 do not 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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