

RUST-X USA

Technical Datasheet

Product: VCI Stretch Film

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Product Description

RustX VCI Stretch Films are manufactured using state of the art SMP Technology for speedy moisture passivation and provides long term corrosion protection to the packaged parts.

VCI Stretch Films when stretched on metal products isolates the packed coils and sheets from influx of humidity and VCI pacifies the environment inside the packaging.

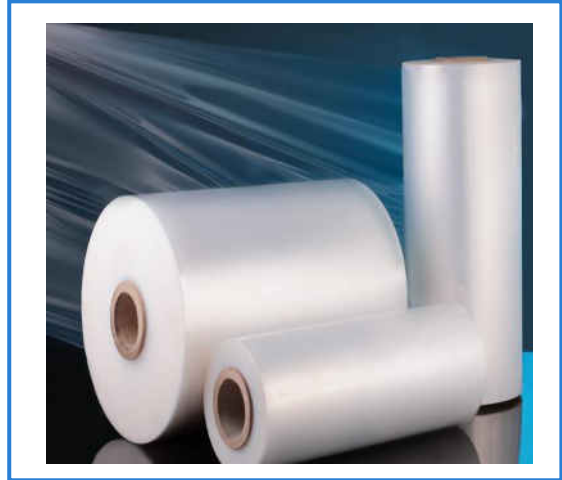
VCI Stretch films are suitable for ferrous and non ferrous metals and inhibit the development of corrosion, tarnishing etc for upto 5 years in a complete system designed by RustX.

RustX VCI Stretch Films are made from special proprietary additives that increase the strength between the molecular chain and provides very high tear and tensile strength and dart impact.

The film is designed to be used for circular products with deep and sharp curvatures. The film is compatible to be used with all major automated machines for stretching. The primary metal coils of steel, galvanized or aluminum are wrapped in rolling position with the bore or eye horizontal. Advanced clinging additives increase the holding force of overlapped layers.

Other than special polymers being used in the film, the film is made on very expensive co-ex plants where multiple layers are extruded together helping to achieve higher strength, infusion of variable properties in outer, middle and inner layers and better printing and aesthetics of the product.

Product & Application Images



Suitable For

The RustX VCI Power Stretch Films are easy to install in machines. Custom sizes, lengths, thicknesses and core ids can be provided. RustX Stretch film uses up to 50% less film to wrap the same load as today's standard films without giving up load holding performance.

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

Application

- Wrapping coils
- Wrapping galvanized sheets and coils
Wrapping tubes and wires
Wrapping electrical grade steel
Wrapping stainless steel
- Wrapping copper and aluminum sheets
- Wrapping metal bodes, engines, turbines, heavy equipment
Wrapping castings, forgings, sheet metal
- Wrapping electrical panels, motors

Properties

Physical Properties	Test Method	VCI Stretch Film
Colour	Visual	Transparent, Blue, White, Yellow or another specific colour can be made
Thickness Availability	Micrometer	Approx. 68 microns, 2.7 mil
Specific Gravity	ASTM D 1298	Approx 1
Surface pH	Universal Indicator Solution	8 to 9
Salt Spray in VCI	ASTM B 117	24 hours +
Tensile Strength	ASTM D882-02	
M	Kg/cm	105+
D	2 Kg/cm ²	95+
Elongation at Break	ASTM D882-02	
MD	%	Min 700
TD		Min 500
Dart Impact Strength	ASTM D1709-04 / A (gf)	Min 1500
PE Content		40-50%
VCI Content		12-15%
Other proprietary blends		30-40%
UV protection	Months	12-24 months
Printing	No of colours	Upto 6
Width range	Mm	100mm – 1000mm
Colour		Transparent, Blue, Yellow, White or other

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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