

PRODUCT DATA

NOX-RUST® POLY WRAP

Woven Coated Fabric with VCI

Description



Nox-Rust Poly Wrap VCI is an all-poly fabric with unique 100% woven polyolefin structure and special polyolefin coatings for superior tear strength and abrasion resistance. The inner surface of the fabric is impregnated with proprietary VCI (volatile corrosion inhibitor) chemistry to prevent rust and oxidation on metal.

Lightweight, durable Nox-Rust Poly Wrap is flexible and folds easily, but is strong enough to withstand the stress of use as a coil wrap. Tight weave construction and special impermeable poly coating provides excellent protection against moisture and moisture vapor transmission.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Provides excellent protection for carbon steel, galvanized steel, aluminum and brass.
- Is not adversely affected by protective oil coatings on steel.
- Excellent barrier against oil, water and moisture. Resists punctures, tears and curl.
- Odorless, non-toxic, safe to handle and use.
- Nox-Rust Poly Wrap has a high strength-to-weight ratio and is strong and durable, so it lends itself to either automated or manual packaging processes.
- Heat-sealable, with good "dead-fold"
- Recyclable
- Parts emerge clean, dry and ready to use without additional cleaning or rework
- RoHS compliant, OEM approved

Typical Applications



Use Nox-Rust Poly Wrap for transport, export, storage of:

- Carbon steel, galvanized steel, silicone steel, aluminum, brass, copper
- Steel coils, steel bars, equipment and machinery needing physical and corrosion protection.
- Metal components and assemblies exposed to temperature extremes, humidity, moisture, and atmospheres that contribute to corrosion.

Packaging personnel should always wear gloves while handling metal parts. Parts should be clean and free of fingerprints before wrapping. Package clean products as quickly as possible. Place the part no more than 12" (30 cm) from the Nox-Rust Poly Wrap.

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TECHNICAL DATA

NOX-RUST® POLY WRAP

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Physical Data

Typical Properties		Typical Values	ASTM Test No.
Unit Weight g/m ² (lb/ream)		100 - 120 (62-74)	Tappi T-410
Puncture Strength, kg (lbs)		5.9 - 10 (13-22)	F-1306
	<i>Machine Direction</i>	<i>Transverse Direction</i>	
Tear Resistance, N/ply (gf)	36 – >63 (3700 - > 6400)	40 – >63 (4100 - >6400)	D-1424
Tensile Strength, Mpa (psi)	9.5 – 17.7 (54 – 101)	10.5 – 15.6 (60 – 89)	D-751A
Elongation, %	20 - 27	19 - 26	D-751A

Protection Time

Inside Dry Storage	24 Months
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Metal

Level of Protection

Carbon Steel	Protects in contact and vapor phase
Aluminum	Prevents spotting and oxidation (test for compatibility)
Galvanized Steel	Protects in contact and vapor phase
Copper	Protects in contact and vapor phase
Brass/Bronze	Protects in contact and vapor phase (test for overall effectiveness)

Storage

Store in a cool, dry place, away from direct sunlight. Do not store outdoors, in high humidity, or at temperature above 80°F (27°C).

Shelf Life

36 months minimum from date of shipping when stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Storage outside these conditions voids this statement.

Approvals

RoHS, Recyclable, OEM Approved, TRGS 615, TL8135



WARRANTY The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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