



TECHNICAL DATASHEET

PRODUCT NAME –Aluminum SCRIM FILM

PRODUCT CODE –RUST-X 1165 - ALBAR SCRIM FILM 165 as per DIN 55531 Type 1

PRODUCT DESCRIPTION

RUST-X ALBAR SCRIM film is a High-Barrier Moisture, Water Vapour and Corrosion-Inhibiting Flame Retardant film. The film is manufactured on a 3 layer, multi-layer co-extrusion plant combined with laminated outer barrier layers comprising of Aluminum Foil and an over lamination with a Polyester Film. The combined multi-layered structure offers a very high oxygen and water vapor barrier combined with VCI anti corrosion properties.

This is ideally used for packaging of metallic products or from equipment packaging for long term storage and transportation especially in areas prone to high temperatures, sparks, and construction and welding.

The VCI molecules on the inside work by evaporation and condensation on the cooler metal parts and prevent corrosion wherever they settle. In effect a corrosion-inhibiting layer molecular layer 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 vapor.

The bags can be custom-sized into 3 dimensional covers for many different types of installations and parts. These can also be supplied in 2 Dimensional bags or sheets. The bags can be heat-sealed or can also be

provided with a self-sealable adhesive tape, which can be removed to form a sealed packaging system.

FEATURES

- Meets standard MIL B 131 and DIN 55531
- Multi-metal Protection
- Free of Nitrites, Halogens & Phosphates
- Heat sealable structure useful as a barrier material limiting passage through itself of solids, liquids, semisolids, gases or forms of energy such as ultraviolet light, said structure comprising a first play of a relatively tough, biaxial oriented film of organic polymer adhered to second play of metallic foil/coating and a third play of a tough polymer such as polyethylene.

APPLICATIONS

- Machinery Packing
- Steel , Tube and Rod Packing
- Galvanized sheets and coils
- Metal Tubes and wires
- Electrical grade steel
- Stainless steel
- Copper and Aluminum sheets
- Wrapping metal bodies, engines, turbines, heavy equipment



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TECHNICAL DATA

Physical Properties	Test Method	Value
		165 GSM
Basis Weight	ASTM D 646	160-170 gsm
Layer 1 PET		12 micron
Layer 2 Aluminum		12 micron
Layer 3		Scrim Layer
Layer 3 LDPE Film		130
Heat Seal Strength N/15mm	DIN-55529	55 MD/47 CD
Oil Resistance	MIL-STD-3015	Pass
Water Vapor Transmission Rate	MIL-STD-2017-	<0.05
Oxygen Transmission Rate	ASTM D 3985	<0.05
pH		8-9
Corrosion Test	ASTM 1748	Pass 500 hrs
Colour Availability		Silver Outside Transparent Inside
Flame Retardancy	DIN 4102-B2 Standard.	Pass
Tear Resistance (g)		1740/2085
Puncture resistance Load to Break	DIN EN 14477	8 MD /7.6 CD

Heat Sealing Layer	Thickness according to DIN 55543
Oil Resistance	DIN ISO 1817 , Slice OD 60mm , 3 samples Dwell time: h , temperature 70 degrees Celcius Test Fluid – ASTM OIL No 3 (ASTM 4 D471)
Seled – seam strength	DIN 55529 Specimen: measuring length : 100mm , width: 15 mm Heat- sealing width: 10mm, testing speed : 100 mm/min (mean value of 5 single measurements: MD and CD)
Water – vapor (transmission rate)	DIN EN ISO 15106-3 Climate : 40 degrees Celcius / 90% RH
Puncture Resistance	DIN EN 14477 , testing speed : 100mm /min (mean value of 5 single measurements towards outer and inner face)

PRODUCT PICTURE





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PACKAGING AND STORAGE

Store in a cool dry place and always keep VCI film wrapped when not in use.

USAGE

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.

DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.

SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More

Information

- Safe for people
- This product does not pose a health hazard to users due to its classification as an article according to EU REACH, UN GHS, US OSHA HazCom and CA WHMIS regulations.
- Rust-X VCI chemistry is safe for sensitive electronics.
- Rust-X VCI chemistry imposes No galvanic effects, residues or changes in the properties of metals. The protective molecules dissipate upon opening of package.

HEAVY METALS DECLARATION

RUST-X Rust Preventive products 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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LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by HI TECH INTERNATIONAL/RUST-X or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Rust-X, Hi Tech International or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the film sold.

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of the company. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or

statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose. In no case shall HI TECH INTERNATIONAL/RUST-X be liable for incidental or consequential damages.

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