

PRODUCT DATA

PREMIUM METAL-GUARD[®]

Corrosion Inhibitor (VCI) Stretch Film

Description



A specially chosen stretch grade of polyethylene with multi-purpose corrosion inhibitors extruded into the film. Premium Metal-Guard stretch film will prevent corrosion on a wide range of ferrous and non-ferrous metals. Flexible, durable, safe, easy-to-handle stretch film is designed to protect large and irregularly shaped equipment on pallets, in crates, and storage racks. Film provides structural strength to keep the load secure while also protecting packaged metal surfaces from corrosion-causing elements in the environment.

Standard in 18" and 20" wide rolls, 80 and 100 gauge film, machine and hand stretch roll lengths. Narrow widths and custom lengths also available.

Features

*Proven Daubert Cromwell
corrosion inhibitor chemistry*



- Metals protected: Wide range of ferrous and non-ferrous metals.
- Excellent barrier against oil, water and moisture
- Odorless, non-toxic, recyclable
- Heat-sealable, tear-resistant
- Provides corrosion protection for 24 months minimum, inside dry storage.
- Safe and easy to use; no special handling required
- Parts remain clean and ready to use immediately.
- RoHS compliant, OEM approved
- Compatible with Daubert Cromwell rust preventive liquids, papers, foams and emitters.
- Standard in Daubert® blue. Other colors and gauges available upon request

Typical Applications



For transport, export, storage of:

- Engines, pistons and automotive components
- Gears, brake parts and similar small parts
- Stamping, frames, and doors
- Cam shafts, crank shafts, spindles, linear motion devices.
- Construction and similar heavy equipment.
- Steel coils, round bearings and assemblies.
- Irregularly shaped, hard-to-wrap subassemblies and parts on pallets.

Guidelines for Use



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 Premium Metal-Guard Stretch film. Stretch film can be used over Daubert Cromwell VCI papers for additional protection when needed.

**DAUBERT
CROMWELL**

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Physical Data

Typical Properties	Typical Values				ASTM Test No.
	80 gauge		100 gauge		
Thickness (Gauge), mils (μm)	0.8 (20)		1 (25)		D-645
Burst, psi (kPa)	7.2 (49.6)		7.5 (51.7)		D-3786
	MD	TD	MD	TD	
Tear Resistance, gf (N/ply)	209 (2.05)	456 (4.45)	270 (2.65)	580 (5.68)	D-1922
Tensile Strength, psi (Mpa)	2125 (14.6)	1875 (12.93)	2375 (16.38)	2000 (13.79)	D-882
Elongation (%)	507	598	452	625	D-882
Protection Time					
Inside Dry Storage		24 months			

Protective Properties

Aluminum	Testing Required
Steel, AISI 1010**	Protection
Stainless Steel, All Grades	Protection
Cast Iron	Protection
Galvanized, hot dipped or electrogalvanized	Protection
Brass, Red or White	Protection
Bronze, including Naval	Protection
Copper	Protection
Cadmium and Cadmium Plated	Protection
Chromium and Chromium Plated	Protection
Magnesium	Testing Required
Nickel and Nickel Plated	Protection
Lead or Solder	Protection
Silver or Silver Plated	Test Required
Tinplate	Protection
Zinc or White Metal	Protection

* These results are typical values and are not specifications.

** Protection times are based on proper protection from moisture and other environmental elements.

*** For best results, Daubert Cromwell always recommends testing before use.

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

12 months, from date of shipping. This shelf life statement is only valid for product stored in the original shipping container used by Daubert Cromwell. Storage outside that container and at high humidity and above 80°F 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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