PRODUCT DATA

PREMIUM
METAL-GUARD®
Corrosion Inhibitor (VCI) Film
4 mil (100µm)

Description



Premium Metal-Guard is a safe, effective, corrosion inhibitor (VCI) film designed to protect multi-metals during in-process manufacturing, transport and indoor storage.

The proprietary corrosion inhibitors in Premium Metal-Guard polyethylene film provide long-term protection in the vapor and contact phase against the corrosive effects of moisture, salt and other contaminants. Film is transparent, strong, tear-resistant, and tinted a unique shade of blue to identify it as a quality product of Daubert Cromwell.

Available as flat, reclosable and gusseted bags, rolls, bonnets and custom constructions. Also available in other thicknesses and high strength formulations.

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 emerge clean, dry and ready to use immediately, without additional cleaning or rework
- RoHS compliant, OEM approved
- Compatible with Daubert Cromwell rust preventive liquids, papers, foams and emitters.

Typical Applications



For transport, export, storage of:

- Engine bags, covers.
- Liners for pallets, crates and boxes.
- Bags for wrapping bearings, pistons, gears, brake parts and similar small parts
- Interleaving and wrap to protect stamping, frames, and doors during export shipment.
- Custom covers for cam shafts, crank shafts, spindles, linear motion devices
- Bearings, gears, brake parts, camshafts, crankshafts

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 film.

Available as tubing, sheeting; bags, bonnets, covers. Standard in Daubert® blue. Optional in green, ginger, clear, and custom colors.

DAUBERT CROMWELL
The Leading Name in Corrosion Prevention®

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TECHNICAL DATA

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Physical Data

Typical Properties	Typical Values		ASTM Test No.
Thickness (Gauge), mils (µm)	4.0 (100)		D-645
Burst Strength, psi (kPa)	20 (138)		D-3786
Dart Drop, (gf)	220		D-1709
	Machine Direction	***Transverse Direction***	
Tear Resistance, gf (N/ply)	480 (4.71)	880 (8.63)	D-1922
Tensile Strength, psi (MPa)	2210 (15.2)	2052 (14.2)	D-882
Elongation (%)	455	470	D-882
Protection Time			
Inside Dry Storage			24 Months

Metal	Level of Protection
Steel, AISI 1010	Protection
Cast Iron	Protection
Brass, Red or White	Protection
Bronze, including Naval	Protection
Copper	Protection
Cadmium and Cadmium Plated	Protection
Stainless Steel, All Grades	Protection
Zinc or White Metal	Protection
Galvanized, hot dipped or electro galvanized	Protection
Chromium and Chromium Plated	Protection
Nickel and Nickel Plated	Protection
Tinplate	Protection

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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