

# Product Data

## P R E M I U M METAL-GUARD®

Corrosion Inhibitor (VCI)  
Masking Film

### Description



Premium Metal-Guard VCI Masking Film is a specially designed film that is used to protect parts that are difficult to package in VCI paper or film. The pressure-sensitive film adheres firmly to the metal and peels off clean, leaving no residue. Film is transparent, easy to use, designed for preventing corrosion on polished and coated metal surfaces stored indoors. The film also protects against dirt and other contaminants.

The LDPE film is coated with a proprietary, water based, acrylic adhesive system with multi-metal corrosion inhibitors infused in the adhesive matrix. Lightweight, flexible and durable, the film can be used to protect specific areas of metal on a larger part.

### Features

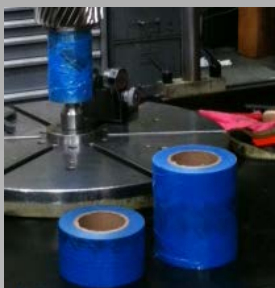


#### ***Proven Daubert Cromwell corrosion inhibitor chemistry***

- Metals protected: Ferrous/nonferrous metals.
- Water-based, pressure-sensitive adhesive system
- Barrier against oil, water and moisture
- Odorless
- Clean peel. Leaves no residue on protected part.
- Provides corrosion protection for 6 months minimum, inside dry storage.
- Safe and easy to use; no special handling required
- Parts remain 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 protection during storage and shipment of:***

- Spindles, axles, wheels and cylindrical shapes.
- Precision machined and polished surfaces.
- Coated metal parts
- Metals that require protection from defects during manufacturing, fabrication, handling and shipping

For best results, keep masking film at room temperatures and in humidity levels between 30-70%. Various environmental conditions will influence results – temperature at time of application, pressure of lamination, surface material to be masked (glossy, matte or textured) and humidity. Daubert Cromwell always recommends testing under actual use conditions.

Apply to clean, dry surface. 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.



# Technical Data

## P R E M I U M METAL-GUARD® Corrosion Inhibitor (VCI) Masking Film

### Physical Data

Typical Properties	Typical Values	ASTM Test No.
Thickness (Gauge), mils (µm)	1.8 (47)	D-3652
Adhesion*** (oz/inch@180° angle)	14.0	Modified PSTC #1
Film Backing	LDPE	D-1709
Adhesive Color	Water Clear	
Film Color	Daubert® Blue or Clear	
<b>Tensile Strength</b>		
Tensile at Break-MD, (psi)	3800	
Elongation at Break-MD (%)	350	
<b>Protection Time</b>		
Inside Dry Storage		6 Months
<b>Metal</b>		
Steel, AISI 1010**	Level of Protection	Protection
Cast Iron	Level of Protection	Protection
Brass, Red or White	Level of Protection	Protection
Bronze, including Naval	Level of Protection	Protection
Copper**	Level of Protection	Protection
Cadmium and Cadmium Plated	Level of Protection	Protection
Stainless Steel, All Grades	Level of Protection	Protection
Chromium and Chromium Plated	Level of Protection	Protection
Nickel and Nickel Plated	Level of Protection	Protection
Lead or Solder	Level of Protection	Protection
Tinplate	Level of Protection	Protection

\* Daubert Cromwell always recommends corrosion testing prior to actual use.

\*\* Masking film will also provide some protection to 1010 steel and copper in the vapor phase.

\*\*\* The product characteristics are middle range adhesion peel values.

### Storage

Store in a cool, dry place, away from direct sunlight. Do not store outdoors, in high humidity or high temperatures.

### Shelf Life

6 months, under moderate storage conditions, 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, OEM Approved, TRGS 615



**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.

Rev. AUG 2017 | SMD



**DAUBERT EUROPE**  
The Leading Name in Corrosion Prevention®

Daubert Cromwell GmbH

Sitz der Gesellschaft: Hasenbergsteige 14, 71078 Stuttgart, Deutschland

Vertriebsbüro: Trimbургstr. 2 81249 München, Deutschland

Tel.: +49-89-4522036-10 E-mail: Service@daubertcromwell.eu www.daubertcromwell.de