

Product Data

P R E M I U M

METAL-GUARD® RC Corrosion Inhibitor (VCI) Film with >30% Recycled Content

Description

DAUBERT CROMWELL
P R E M I U M
METAL-GUARD RC
CORROSION PREVENTIVE PACKAGING
www.daubertcromwell.com



PMG-RC film is a safe, effective, corrosion inhibitor (VCI) film made with 30% (min.) recycled material. It is designed to protect multi-metals during in-process manufacturing, transport and indoor storage.

New Premium Metal-Guard RC packaging film has proprietary VCI chemistry to protect ferrous/non-ferrous metal surfaces from the corrosive effects of moisture, salt and other contaminants. It meets UK Plastics Packaging mandate for required recycled content.

Designed specifically to meet international standards for recyclability, PMG-RC is strong, flexible, and tear-resistant. Ideal for use by manufacturers and suppliers needing consistent, effective anti-corrosion packaging for export shipments.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Metals protected: Wide range of ferrous and non-ferrous metals.
- Contains minimum 30% recycled material, per UK Plastics Tax.
- 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, REACH.
- Compatible with Daubert Cromwell rust preventive liquids, papers, foams and emitters.



Typical Applications



For transport, export, and 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

Guidelines for Use



Packaging personnel should always wear gloves to prevent contaminants from depositing onto the metal. 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 PMG-RC film.

Standard in Daubert® blue.

**DAUBERT
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Technical Data

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

Physical Data

Property	Units	Typical Value				Test Method		
Thickness (Gauge)*	Mil (µm)	2 (50.8)	3 (76.2)	4 (102)	DIN ISO 4593			
Puncture	lbs (kg)	1.4 (0.63)	1.9 (0.86)	2.7 (1.22)	MIL-STD-3010 Method 2065			
		MD	CD	MD	CD	MD	CD	
Tear Resistance	gf (N/ply)	120 (1.2)	471 (4.6)	231 (2.3)	692 (6.8)	407 (4.0)	950 (9.3)	DIN ISO 1974
Tensile Strength	Psi (Mpa)	3117 (21.5)	3234 (22.3)	2593 (17.9)	2400 (16.6)	2940 (20.3)	2963 (20.4)	DIN ISO 527-3
Elongation at Break	%	431	831	722	870	656	869	DIN ISO 527-3
<i>*Other thicknesses also available.</i>								
Protection Time								
Inside Dry Storage						24 months minimum		
Protection								
Mild carbon steel		Protected						
Cast Iron		Protected						
Stainless steel, all grades		Protected						
Zinc and zinc galvanized steel		Protected						
Tin and tin plated steel		Protected						
Aluminum (3003)		Not Recommended ⁴						
Copper		Protected						
Bronze		Protected						
Brass ¹		Protected						
Category A ²		Protected						
Category B ³		Not Recommended ⁴						

- 1 Brass alloys in the "red area containing up to 20% zinc will act like copper; brass in the "white" area containing over 20% zinc will act like Category A metals.
- 2 Category A metals include zinc, cadmium, nickel, cadmium-plated steel, and nickel-plated steel. These are prone to contact corrosion sensitivity with inhibitor chemicals but will be protected as shown in the vapor phase.
- 3 Category B metals include lead, antimony, Babbitt alloys, solder, magnesium or magnesium alloys.
- 4 "Not recommended" does not indicate incompatibility. Compatibility testing is always recommended. Our "Not recommended" rating indicates that there may be more effective Daubert Cromwell products for these applications. Your sales representative can help recommend the optimal product for specific applications.

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

24 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

Meets UK Plastics Packaging mandate for required >30% recycled content.
RoHS Compliant, TRGS 615 & 900, Prop 65, TL8135-0043, REACH



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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