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FERRO-FILM® XP

PRODUCT DESCRIPTION

A low density polyethylene film impregnated with Daubert Cromwell's special ferrous volatile corrosion inhibitor formulation laminated to a polypropylene outer film. Compliant with Mil-PRF-22019/22020 and listed on the Department of Defense Qualified Products List (QPL) for "Barrier Materials, Transparent, Flexible, Sealable, Volatile Corrosion Inhibitor Treated." Approved for use as military packaging film and bags.

PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Film Gauge (mil)	4.5	ASTM D645
Basis Weight (lb/ream)	64.5	ASTM D646
Tensile Strength (lb/in)		ASTM D882
Machine	28.0	
Cross	42.0	
Seal Strength, (lb/in.) (@ 350°F, 40 psi, 1.0 sec.)	10.0	ASTM F-88
Suggested Sealing Conditions	350°F, 40 psi, 1.0 sec.	(Temp. Range: 275° to 400°F)
Tear Strength (grams)	>50 gf	ASTM D689
Puncture Resistance (lbs.)	20.0	Mil-Std-3010 Method 2065
Appearance	Clear film with military-required print in yellow ink.	

INHIBITOR PROTECTION

Metal	Corrosion Protection
Low Carbon Steel	Provides full protection in vapor and contact phases.
Aluminum	Test for compatibility.
Zinc or Galvanized Zinc	Test for compatibility.
Copper	Test for compatibility.
Brass[1]	Test for compatibility.

Bronze	Test for compatibility.
Silver	No data available.
Category A[2]	Not recommended.[4]
Category B[3]	No data available.

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 and 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.

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The data, statements and recommendations in this product information 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.

WARRANTY – 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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