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Certified: ISO 9001: 2008

Protect FFXP MIL-PRF22019E T/I

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

<u>Property</u>	<u>Typical Value</u>	<u>Test Method</u>
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.

Disclaimer:

The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability, or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.