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Certified: ISO 9001: 2008

PROTECT VCI 55 Data Sheet

Product Description

A 40 lb./ream (65g/m²) natural kraft, saturated one side with Ferrous, nitrite-free, volatile corrosion inhibitor (VCI) formulation and polycoated on the other side with 6 pounds of polyethylene. Provides good moisture barrier and grease-proofness together with excellent VCI properties including compatibility with copper and cuprous alloys.

Physical Properties

Property	Units	Typical Values		Test Method
Basis Weight	lb./ream (g/m ²)	58 (88)		T-410
Caliper	mil (um)	5.2 (132)		T-411
Mullen Burst	psi (kPa)	38 (262)		T-403
		MD	CD	
Elmendorf Tear	g/ply (N/ply)	64 (0.63)	72 (0.7)	T-414
Tensile Strength	lb./in (kN/m)	28 (4.9)	13 (2.3)	T-404
Elongation	%	1	5	T-494

INHIBITOR PROTECTION

Classified as six months protection when stored outside and properly protected from moisture and other environmental elements; 24 months minimum, inside dry storage.

Metal

Mild Carbon Steel

Aluminum (1100)

Zinc or Zinc Galvanized Steel

Copper

Brass¹

Bronze

Silver

Category A²

Category B³

Corrosion Protection

Provides full protection in contact and vapor phases

Compatible, light protection in contact and vapor phases

May provide light protection.

Compatible.

Compatible.

Compatible.

Not recommended⁴

Not recommended⁴

Not recommended⁴

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 products for these applications. Your sales representative can help recommend the optimal product for specific applications

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