

Product Data

CLEARPAK® 5000

Nitrite-Free Corrosion Inhibitor VCI Film 100μ

MADE WITH BIO-BASED
MATERIALS



Description



Next generation of proven, nitrite-free Clear Pak films that metalworking industries have used for 20 years.

New Clear Pak 5000 is a bio-based, nitrite-free polyethylene film with multi-metal corrosion inhibitors that protect steel, aluminum and copper. CP5000 film prevents corrosion on packaged metals during storage, transport, and in process-manufacturing.

Daubert Cromwell's internationally tested and OEM approved CP5000 is intended for use in industries where corrosion solutions are evolving: Automotive, electronics, aerospace, and precision machined parts manufacturing. Recyclable, safe and easy to use CP5000 is for manufacturers and suppliers needing consistent, effective anti-corrosion packaging globally. REACH compliant.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Protects wide range of ferrous metals, steel and aluminum
- Nitrite-free, amine-free. Recyclable.
- Contains bio-based VCI
- Heat-sealable, tear-resistant
- Long-term corrosion protection
- Safe and easy to use. Wear gloves to prevent contaminants from depositing onto the metal.
- Passes TL8135. Meets TRGS 615.
- Compatible with Daubert Cromwell rust preventive liquids, VCI papers, foams and emitters.

Typical Applications



For transport, export, and storage of:

- Engines, housings, aluminum castings
- Large and roughly handled assemblies, frames, stampings
- Bearings, gears, brake parts, valves, pistons
- Aluminum coils, bars
- Camshafts, crankshafts
- Powertrain systems, drivetrain systems
- Electric vehicle components, sub-assemblies
- Export packaging

Guidelines for Use



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. Place the part no more than 12" (30 cm) from the CP5000 film.

Physical Data

Typical Properties	Typical Values		ASTM Test No.
Thickness (Gauge), μm (mils)	100μ (4)		ASTM D-645
Burst Strength, psi (kPa)	21.9 (151)		ASTM D-3786
Puncture Strength, g (lb)	1315 (2.9)		MIL-STD-3010 Method 2065
	Machine Direction	Transverse Direction	
Tear Resistance, gf (N/ply)	428.8 (4.2)	1232 (12.1)	ASTM D-1922
Tensile Strength at Break, psi (MPa)	3148 (21.7)	2143(14.8)	ASTM D-882
Elongation at Break (%)	818	1025	
Protection Time			
Inside Dry Storage			24 Months
Metal	Level of Protection		
Steel, AISI 1010	Protection		
Cast Iron	Protection		
Stainless Steel, All Grades	Protection		
Zinc or White Metal	Protection. Test with the specific alloy before use.		
Galvanized, hot dipped or electro galvanized	Protection. Test with the specific alloy before use.		
Aluminum	Protection. Test with the specific alloy before use.		
Brass, Red or White	Protection. Test with the specific alloy before use.		
Bronze, including Naval	Protection. Test with the specific alloy before use.		
Copper	Protection		

Storage

Store in a cool, dry place, away from direct sunlight in the original shipping container provided by Daubert Cromwell. Do not store outdoors, in high humidity, or at temperature above 80°F (27°C).

Shelf Life

Recommend using within 12 months of purchase.

Approvals

RoHS, Recyclable, TL8135, TRGS 615, OEM approved.



REACH compliant

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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