

Product Data



P R E M I U M METAL-GUARD™ VCI Bearing Tape *Embossed VCI Poly Wrap*

Description



Bearing Tape Stays Tight, Prevents Corrosion on Precision Machined Metals

Premium Metal-Guard® corrosion inhibitor (VCI) bearing wrap is a thick, flexible, strong poly film with an embossed texture that grips to stay in place around large bearings and round shapes. Used as a final wrap, the VCI bearing tape holds layers of rust inhibiting materials together.

Daubert Cromwell's proprietary Premium Metal-Guard VCI formulation is extruded into the film, not superficially applied. It effectively prevents corrosion on packaged steel, cast iron, galvanized, nickel and nickel-plated, copper and a wide range of ferrous/non-ferrous metals. Also available as non-VCI bearing wrap film.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Long-lasting corrosion protection, even in the presence of moisture
- Provides long-term protection against corrosive effects of moisture, salt and other contaminants without extra cost of addition packaging such as bags or bands
- Film is tear-resistant, strong, durable and flexible
- Does not contain phosphates, heavy metals
- Easy to use, safe to handle
- Compatible with Daubert Cromwell VCI papers, films, foam, and emitters
- Recyclable; RoHS and TRGS615 compliant; odorless
- Available in Daubert® blue, black, white, and a range of colors, roll widths and lengths

Typical Applications



- Use in automatic packaging of bearings and precision machined parts to dramatically increase speed of production output.
- Use in packaging applications where high strength, stretch and cushioning properties are needed.
- Clean, dry corrosion protection for metal surfaces during storage and shipment.
- Protects metal surface against physical damage and corrosion-causing contaminants.
- Best for applications where high strength, stretch, and corrosion protection are needed.
- Available in narrow width rolls for easy handling.

Guidelines for Use



- Typically does not require any special surface preparation before packaging. However, if possible, wipe the surface clean of dust particles.
- Wind film around the shape until metal surfaces are covered.
- Apply by hand, or with automated packaging machinery.

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Physical Data

Physical Properties	Typical Values	ASTM Method
Gauge - μm (mil)	230 (9)	D-374 Method D
Tensile Strength MD – kN/m² (psi)	12, 460 (1,849)	D-882
Elongation MD - %	575%	D-882
Young’s Modulus – MPa (psi)	310 (45,000)	D-1922
Protective Properties		
Steel, AISI 1010**	Protection	
Stainless Steel, All Grades	Protection	
Cast Iron	Protection	
Brass, Red or White	Protection	
Bronze, including Naval	Protection	
Copper	Protection	
Cadmium and Cadmium Plated	Protection	
Chromium and Chromium Plated	Protection	
Nickel and Nickel Plated	Protection	
Lead or Solder	Protection	
Tinplate	Protection	
<i>* These results are typical values and are not specifications.</i>		
<i>** Protection times are based on proper protection from moisture and other environmental elements.</i>		
<i>*** For best results, Daubert Cromwell always recommends testing before use.</i>		

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

36 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.

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.

SEPT2020 JAB