

## PRODUCT INFORMATION

### VAPPRO 826MW VCI Mil-Wrap

<b>Function:</b> Vapour Corrosion Inhibitor (VCI)	<b>Application:</b> Packaging	<b>Form:</b> Plastic Film
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## DESCRIPTION



**VAPPRO 826MW VCI MIL-WRAP** is a significant breakthrough in protective packaging technology. It offers a new concept in product protection without the need for oily rust preventative coatings.

**VAPPRO 826MW VCI MIL-WRAP** offers protection for aluminum alloys, brass and copper while providing excellent protection for ferrous metals like steel and stainless steel. **VAPPRO 826MW VCI MIL-WRAP** does not change critical electrical or mechanical properties of electronic or electrical components.

**VAPPRO 826MW VCI MIL-WRAP** is a high strength and high impact UV-VCI Film.

It conforms to **British Test Method BSI IEC 68-2-30:1980, MIL-PRF-22019D & German Test Method TL: 8135-002**

## HOW VAPPRO VCI WORKS?

At ambient temperature VAPPRO VCI molecules are released into the surrounding enclosure. These VCI molecules are invisible and odorless. When the VCI molecules come in contact with the surrounding moisture an ionic reaction takes place between the VCI molecules and the water molecules. The VCI molecules in the surrounding enclosure are hydrolyzed into VCI ions.

The hydrolyzed VCI ions form a molecular barrier through polarization on the metal substrate and the atmosphere & passivates the metal substrate from corrosion. VCI properties will not alter or negatively affect any electronic components.

## FEATURES

- Heat shrink film with standard heat equipment.
- Eliminates the need for expensive, messy and greasy procedures
- Film is opaque and is fortified with UV & VCI for outdoor or indoor protection
- Multi-metals protection
- Inhibitors will not affect any electrical or mechanical properties of a packaged item.
- May be used with neutral or light rust preventative oils
- Custom sizes available

## APPLICATIONS

- Tools or spare parts
- Automotive parts
- Industrial equipment
- Long tubular products such as pipes
- Nuclear Equipment
- During shipping and storage

## DIRECTIONS FOR USE

1. Make sure equipment is clean and free of contaminants
2. Pad off any sharp edges or corners with PE foam or cardboard
3. Wrap or shroud equipment with film
4. Use shrink tape to attach loose ends on to film
5. Apply heat cautiously to shrink the film to desired fit

## PACKAGING

Roll Size: 20'x210'x10mil per roll

Quantity: 12 rolls per pallet



Physical Properties					
		Film Thickness	10 mils (250 microns)		
		Film Type	Heat Shrinkable		
		Form	Sheeting UV/VCI Shrink Film		
		Shelf Life	3 years stored in a cool dry environment		
		Roll Size	20' x 100' x 10mil		
		Appearance	Blue Transparent Film		
Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Melt Index (190°C/2.16 kg)	0.3	g/10 min.	0.3	g/10 min.	ASTM D1238
Density	924	Kg/m <sup>3</sup>	0.924	g/m <sup>3</sup>	ASTM D1505 ASTM D1928
Thermal Properties					
DSC Melt Temp	112	°C	234	°F	ASTM D3418
Vicat Softening Point	101	°C	214	°F	ASTM D1525
Mechanical Properties					
Tensile Strength at Break	20	MPa	2900	Psi	ASTM D638 Type IV (50mm/Proc A)
Elongation at Break	610	%	610	%	
Hardness – Shore A	97		97		ASTM D2240
Hardness Shore – D	52		52		
Flexural Modulus (1% Secant)	270	MPa	39,160	Psi	ASTM D790

**North & South America**



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Certificate No.: AJA00/2706