



# PRODUCT INFORMATION

## VAPPRO 826SK VCI SHRINK WRAP MIL-PRF-22019D & MIL-STD 3010C

<b>Function:</b> Vapour Corrosion Inhibitor (VCI) & UV Protection	<b>Application:</b> Packaging	<b>Form:</b> Plastic Film
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### VAPPRO 826SK VCI SHRINK WRAP



### DESCRIPTION

**VAPPRO 826SK VCI Shrink Wrap** is a significant breakthrough in protective packaging technology. It offers a new concept in asset protection that incorporates high impact resins with ultraviolet light stabilizers and VCI corrosion protection.

**VAPPRO 826SK VCI Shrink Wrap** provides excellent corrosion protection for multi-metals. It protects industrial & offshore assets with complex geometries and voids spaces without altering critical electronic or mechanical properties of the equipment.

**VAPPRO 826SK VCI Shrink Wrap** conforms to **British Test Method BSI IEC 68-2-30:1980 & MIL-STD 3010C**.

### ABOUT CORROSION & HOW VAPPRO VCI WORKS?

Corrosion starts when an electrolyte (water, oxygen, liquid or moisture) is present on the surface of a metal. When this happens, electrons flow through the electrolyte from high-energy areas (anodes) of the metal to low energy areas (cathodes) in a loop. This flow of electrons process causes oxidation on the metal surface resulting in metal loss (corrosion).

VAPPRO Vapour Corrosion Inhibitors (VCI) stops this detrimental reaction on metals by polarizing invisible molecular VCI barriers on the metal surfaces and recessed areas from the environment. Thus, passivating the

metal substrate from corrosion. VAPPRO VCI properties will not alter or negatively affect any electronic components.

## FEATURES

- Heat shrink using a wide variety of propane or electrical shrink tools.
- Provides both UV and VCI protection for both indoor and outdoor storage.
- Film is transparent so that the protected product is visible at all times, making it convenient to identify parts without compromising your package.
- Multi-metals protection.
- VCI Inhibitors will not affect any electrical or mechanical properties of a packaged item.
- Protection for up to 3 years.
- Replace conventional rust preventatives.
- Recyclable and non-toxic.



## APPLICATIONS

- Tools or Spare Parts
- Industrial equipment
- Offshore & Marine Equipment
- Protection during shipping and storage

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
Molded Plaque 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

<p><b>North &amp; South America</b></p>  <p><b>Magna</b> Your Partner in Chemical Innovation</p>	<p><b>Warehouse Address</b></p> <p>1450 Government Road West Kirkland Lake, Ontario P2N 2E9 Canada Tel: 416 479 9151 Fax: 888 317 1993 Email: magna@vapro.com <a href="http://www.vapro.com">www.vapro.com</a></p>	<p><b>Office Address</b></p> <p>33 Blue Heron Drive Orangeville, Ontario L9W 5K5 Canada Tel: 416-479-9151 Fax: 888-317-1993</p>
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