



Vapro VBCI-826-MW MIL-WRAP UV VBCI Shrink Film

Conforms to MIL Specs MIL-PRF-22019D

Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002

NATO STOCK NUMBER: 6850-32-076-1091



Description

VAPPRO VBCI-826MW MIL-WRAP is a super heavy duty UV/VBCI Shrink Film designed for both indoor and outdoor protective packaging of large equipment. It offers a new concept in asset preservation that incorporates high impact resins fortified with ultraviolet light stabilizers and VBCI corrosion inhibitors.

VAPPRO VBCI-826MW MIL-WRAP UV/VBCI Shrink Film provides excellent corrosion protection for multi-metals. It is excellent for protecting industrial & offshore assets with complex geometries and voids spaces without altering critical electronic or mechanical properties of the equipment.

Features & Benefits

- Heat shrink using a wide variety of propane or electrical shrink tools.
- Provides both UV and VBCI protection for both indoor and outdoor storage.
- Multi-metals protection.
- VBCI 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.



How Vapro VBCI-826 MW Works

Vapro VBCI-826-MW emits VBCI Vapour chemicals into the surrounding enclosure. The released vapour deposits on the metal surface and forms a protective mono-ionic layer which provides protection to the packaged parts from corrosion. It thus enables effective and long term protection of ferrous and non-ferrous metals against corrosion /oxidation and tarnishing under adverse conditions including contaminants in air such as hydrogen sulphide, sulphur dioxide, ammonia or acid rain. Vapro VBCI vapors easily migrate to hard to reach areas like drilled holes, crevices etc. and give effective protection.

Specifications

Film Thickness
250µ/10 mil

Film Type / Form
Heat Shrinkable / Sheeting UV VBCI Shrink Film

Appearance:
Beige Plastic Film

Roll Size
20' x 210'x 10mil

Typical Applications

- Determine amount of film needed and give an allowance of about 12" overlap at all seams.
- Make sure work area is clean and free of contaminant before laying film down.
- Place equipment or parts on film and wrap them.
- Pad off all sharp edges and corners to avoid puncturing film for best protection.
- Use shrink tape to attach all loose ends onto film/equipment.
- Discreetly apply heat to shrink film to achieve desired fitting.

Note

- Start by sealing the film with a continuous sweeping motion and keep the heating tool about 12" away from the film surface.
- Make sure that the overlapping layers are properly welded together.
- Sealing temperature ranges between 275°F to 450°F.
- Shrinking Temperature ranges between 340°F to 470°F

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 ³	0.924	g/m ³ 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
Elongation at Break	610	%	610	% (50mm/Proc A)
Hardness – Shore A	97		97	
Hardness Shore – D	52		52	
Flexural Modulus (1% Secant)	270	MPa	39,160	Psi ASTM D790



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