



## VAPPRO VCI MASTERBATCH SERIES

VAPPRO VCI POWDER • RESINS • WATER-SOLUBLE • OIL-SOLUBLE • SOLVENT-SOLUBLE  
*Anti-corrosion products produced from Vapro masterbatch can be formulated to meet or conform to U.S. Military specification and its formulated finished products are listed on the NATO MCRL.*

**NATO STOCK NUMBER: 6850-32-076-9483**

# VAPPRO VCI-MBR 1000 LDPE

VCI ADDITIVE RESIN

## DESCRIPTION

Vapro VCI-MB 1000 is a low-density polyethylene VCI additive resin. It contains a proprietary multi-metal corrosion protection chemical compound and is used as a masterbatch additive for the production of Vapro VCI-826 VCI Film.

Vapro VCI-MB 1000 masterbatch additive when formulated with LDPE resin, will enhance constant corrosion protection for both ferrous and non-ferrous metals.

It is currently being used for the production of VCI polyethylene films, bags and sheets. Depending on the plastic carrier used, it is also used in the production of VCI Corrugated Plastic Containers, VCI Injection Molded Parts and etc. It has almost endless formulation applications.

With the introduction of Vapro VCI-MB 1000, VCI Film can be produced at a very competitive price anywhere in the world.

## APPLICATIONS

The standard masterbatch of Vapro MB 1000 is supplied in pellet form a long with yellow, blue, green and orange pigment.

The pellets are added to a film formulation at 3% - 7% by weight ratios.

The final VCI Film extruded will provide long term corrosion inhibiting properties, meeting and satisfying all industrial standards.

## METALS PROTECTED

- Copper
- Brass
- Aluminum
- Carbon Steels
- Iron
- Tin
- Silver
- Nickel

## TYPICAL PROPERTIES

<b>Form</b>	<b>Melt Index</b>
Pellet	19.2 grams/10mins(nominal)
<b>Colour</b>	ASTM D1238
Blue / Yellow / Green	Cand 190/2.16
<b>Odour</b>	
Slight Ginseng	

## PRODUCTION PROCESS OF VCI FILM

By extrusion, single or twin screw extrusion machine. The mixing ratios is 4% - 6% by weight. By means of a rotating mixer, mix Vapro VCI-MB 1000 masterbatch resin with the plastic resin for about 15 minutes.

Once it is thoroughly mixed, put the said mixture into the hopper of the extruder for extrusion into film.

We would like to recommend that virgin P.E. resin should be used for trial production and if necessary, modifications are made to provide for any additional properties needed.

## PACKAGING AVAILABLE

25kg paper drum



## Magna

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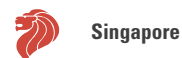
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