



Vapro VBCI-MBR1000 LDPE

VBCI Additive Resin

NATO STOCK NUMBER: 6850-32-076-9483

Description

VaproVBCI-MBR1000 is a low-density polyethylene VBCI additive resin. It contains a proprietary multi-metal corrosion protection chemical compound and is used as a masterbatch additive for the production of VaproVBCI-826 V.C.I. Film.

VaproVBCI-MBR1000 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 VBCI polyethylene films, bags and sheets. Depending on the plastic carrier used, it is also used in the production of VBCI Corrugated Plastic Containers, VBCI Injection Molded Parts and etc. It has almost endless formulation applications.

With the introduction of VaproVBCI-MBR1000, VBCI Film can be produced at a very competitive price anywhere in the world.

Production Process of VBCI Film

By extrusion, single or twin-screw extrusion machine. The mixing ratios is 4% - 6% by weight.

By means of a rotating mixer, mix VaproVBCI-MBR1000 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.

Application

The standard masterbatch of VaproVBCI-MBR1000 is supplied in pellet form a long with yellow, blue, green and orange pigment.

The pellets are added to a film formulation at 4% - 6% by weight ratios.

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





Typical Properties

Form

Pallet

Colour

Blue/ Neutral

Odour

Slight Ginseng

Met Index

19.2 grams/ 10 mins @ Load
2.16 kg, Temp 190°C
(ASTM D1238)

Metals Protected

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

Available Packaging

25 Kg drum / 125 Kg drum



Packaging film and paper produced from Vapro Masterbatches have been awarded WorldStar, AsiaStar, and Singapore Star awards for sustainability and packaging excellence..

The details of our products are given completely free of undertaking. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.



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