

Corrosion Control Poly Master Batch
Compounded Formulation

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PRODUCT DATA SHEET
VCI Polyethylene Film VCI-MB

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Product Description

Compounded Formulation Multi-Metal (VCI-MB) polyethylene film is the new VCI Polyethylene Film Masterbatch made for Blown Film Extrusion. This masterbatch contains the suggested standard additives to produce the newest type of Corrosion Inhibiting Film. This masterbatch will provide several properties to LDPE, LLDPE or HDPE resins or resin blends when added during the film extrusion process.

- **Light Stability** – The film has UV stabilizers that will provide a film satisfactory for outside storage for more than one year.
- **Oxygen Scavengers** – The film has additional oxygen scavengers that will provide the additional protection not found in other films.
- **Corrosion Inhibiting Properties** – The film has superior protection properties for most metals. Contact Corrosion Inhibitors (CCI) + Vapor Corrosion Inhibitors (VCI) are present in the final film.
- **Vapor Barrier Properties** – The film will show superior Vapor Barrier Properties when compared to other films used in this market.
- **Thermal Stability** – The final film is thermally stable, which allows its use in warm or hot climates without any problems.
- **Ease of Extrusion** – The masterbatch can be blended with any straight polyethylene resin or resin blend.
- **Antistatic Properties** – The masterbatch will not attract dust or dirt in the normal working environment.

Film Loading Suggestions.

Mono-Layer Film: The suggested standard loading is **5-10% Masterbatch in 90-95% Resin.** This will produce a final film that can be produced by either blown or cast extrusions methods. The final film passes all standard accelerated corrosion and aging tests. Additional additives for color or other properties can be added as desired without disturbing the standard additive package.

Co-Extruded Film: (Blown or Cast Films) The suggested loading for the inner layer (nearest the metal) is **4-5% Masterbatch to 95-96% resin. A similar loading is suggested for the core layer in a 3 layer film. (B layer in a 5 layer film).** The film can be produced at lower than normal operating and temperature conditions. The final film passes all standard and accelerated corrosion and aging tests.

Shipping and Storage Containers.

The Masterbatch is packaged in a CoExtruded HDPE 2 mil bag for maximum humidity protection and then further protected by either a fiber drum 200 - 220 lbs. The container will have a label identifying the contents and has a QC and Batch Number for Control purposes.

The suggested shelf-life of this product is one (1) year in its original container.

Suggested Storage Conditions.

This product like all polyethylene additive masterbatches can be harmed during storage by excessive heat, moisture and dirt. A cool, dry and clean area is suggested. If the container is opened or partially used, it is suggested that a secure cover be used at all times.

If the contents of the drum or gaylorld become damp or water soaked during shipment or storage it will be necessary to dry the total container and contents before use.

NOTE: The one big advantage to our Master Batches- They can be optimized to a particular customers requirements. There is no one perfect master batch / resin combination when it comes to corrosion protection. Each customer has its own set of operating conditions and requirements. Our Master Batches can be customized to each individual customer's needs.

Always set up a trial before standardizing. If a customer requires technical advice or help, our resource team is available for technical support.

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LIMITED WARRANTY

All technical information, technical data, statements and recommendations contained in this literature are based upon tests performed and/or are obtained from sources believed to be reliable. It is offered solely for your consideration, investigation and verification.

manufacturer warrants its products to be free from any defects when it is shipped to customer. Under this warranty the company obligation is limited to the replacement of product if it proves to be defective.

The customer's responsibility is to determine the suitability of this product by reading the label and literature and performing sufficient tests to determine the suitability of this product.

Manufacturer, representatives and agents shall have no liability for any injury, loss or damage arising out of the use or misuse of or the inability to use the product.