



PETRO POLYMER RAINBOW
PLASTIC & NYLON RAW MATERIALS TRADING L.L.C



VCI Masterbatch

INTRODUCTION

This product is the new VCI polyethylene film masterbatch made for both blown and cast film extrusion.

This masterbatch contains the suggested standard additives to produce the newest type of Corrosion Inhibiting Films. Aforementioned VCI Masterbatch provides both Contact Corrosion Inhibition, and Vapor Corrosion Inhibition. This masterbatch will provide several properties to LDPE, LLDPE or HDPE resins or resin blends when added during the film extrusion process.

MAIN FEATURES

- ✓ Corrosion inhibiting property.
- ✓ Contact Corrosion Inhibition (CCI) property.
- ✓ Vapor Corrosion Inhibition (VCI) property.
- ✓ Light stability.
- ✓ Oxygen scavenger.
- ✓ Vapor barrier property.
- ✓ Thermal stability.
- ✓ Ease of extrusion
- ✓ Antistatic property.



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SPECIFICATIONS

Appearance	Light brown Granuels
VCI (active agent)	20 ~ 25 %
Loose Bulk Density	0.40 ~ 0.50 g/cm ³
Specific Gravity	0.920 ~ 0.940 g/cm ³
Carrier Resin	LDPE – 80- 93%



USAGE

Mono- Layer Film:

The suggested standard loading is 5-10 %. 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:

The suggested standard loading for inner layer (nearest the metal) is 4-6 %. 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 accelerated corrosion and aging tests.



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PACKING & STORAGE

VCI Masterbatch is available in the packing of 25 Kg Aluminum- laminated moisture proof woven sack bag. Keep the product in cool & dry place with good ventilation.

Away from the direct sunlight, high temperature, rain pour and not under heavy loads. Shelf life of VCI Masterbatch is about 12 months from the manufacturing date.

Thereafter still it can be used, but with little higher dosage %g than usual.

NOTE

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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