



Kinetic Polymers

(AN ISO 9001 - 2008 Certified Company)

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Technical Specifications of VCI Master Batch

These master batches are made with proprietary chemicals blended with polyethylene and other processing aids at a very concentration level to get the required corrosion resistance in the poly film at dosage level around 2 %.

- Base polymer : LDPE / LLDPE / Processing aids
- VCI Chemical : Volatile corrosion inhibitor (Proprietary)
- Colour : Yellow
- Dosage levels : 1% - 2%

Low processing temperature and addition of LDPE 040 grade will help the processing.

Where to Use :

1. Film blowing / Moulding / Clink film.

Master Batch

1. 35% Active ingrate.

Master Batches dosage :

1. 2% Loading.

Major Benefits :

1. Delays / Stops corrosion for metals.
2. Can eliminate the use of oil and grease.

Testing : Humidity chamber.

Expose in normal atmosphere and check the corrosion visually.

LAB TEST REPORT

Processor :

3 MS plate of 25 mm dia and 3 mm thick were a taken and the following test was perform.

- 1). MS Plate kept as such in open atmosphere
- 2). MS Plate kept in LDPE bag and sealed
- 3). MS Plate kept in VCI bag and sealed

Results for noted after six months.

- 1). Sample No : 1 – Fully corroded
- 2). Sample No : 2 – Parccally corroded



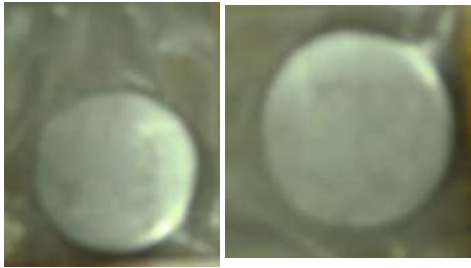
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3). Sample No : 3 – No corrosion took place



Sample No - 1



Sample No - 2



Sample No - 3

