



# Masterbatch Datasheet

## General Description

Masterbatch is a concentrated mixture of pigments and/or additives encapsulated during a heat process into a carrier resin which is then cooled and cut into a granular shape. Masterbatch allows the processor to color raw polymer economically during the plastics manufacturing process.

### 1. Physical and chemical properties

- Form: Pellet Resin Suitability: PE, PP
- Melt Temperature: 125 Degree Celsius
- Let Down (%): 1-5
- Water Ratio (%):  $\leq 0.15$
- Heat Stability: 300 Degree Celsius
- Carrier: LDPE+LLDPE
- Melt Flow Index (g/10mins):  $\leq 15.0$
- Migration Resistance (level): 5
- Heat Resistance (level): 5
- Light Fastness (level): 5
- Additives used: Exxon Mobil

### 2. Packaging and Storing

- The product come in regular form and packed in 25 Kg bags. The bag must be stored indoors for a maximum of 12 months and in dry environment of approximately 25 Degree Celsius

### 3. Stability and Reactivity

- This product is stable under normal use conditions for shock, vibration, pressure or temperature.
- Avoid strong oxidation agents
- Avoid processing material over 300 Degree Celsius



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## 4. Corrosively

- Product is not corrosive

## 5. Health and Safety

- Does not contain any hard metals

## 6. Hazardous Decomposition

- Upon heating polyethylene may emit various oligomers, waxes and oxygenated hydrocarbons as well as
- Carbon dioxide, carbon monoxide and small amounts of other organic vapors (eg. Aldehydes).
- Inhalation of these decompositions products may be hazardous.

## 7. Eco toxicity

- Not Toxic under normal conditions

## 8. Applications for the compound product

- Main Application : Extrusion
- Blow Molding
- Injection Molding
- Coloration of Shopping Bags, Films, Bottles, Drums, Sheets, House Wares, Pips, Etc.

## 9. Colors and Grades Available

- Black and White Masterbatch
- 25% , 30% , 40% , 50% , 60% , 70%