



## **PP- MB OB103**

### **Optical Brightener Masterbatch**

#### **Description**

PP- MB OB103 is optical brightener masterbatch based on polyethylene. We can produce a variety of optical brightener masterbatches with different polymer bases according to our customers' needs. The tendency of many Plastic materials to yellow is due to degradation by UV or visible light/Processing. Optical brightener masterbatches are added to polymers to reduce yellowing, improve whiteness, and enhance brightness of a product. These masterbatches work via fluorescent mechanism which absorbs light in the UV spectrum and emits light in the blue region of visible spectrum to yield a brighter and fresher appearance. It is not surprising these masterbatches are found in numerous applications.

#### **Applications**

- Transparent and opaque single-layer and multi-layer films
- Sheets
- Injection and blow molding parts
- Plastic products produced with recycled materials

#### **Features**

- Covering the effect of natural yellowing of plastics (removing yellowness of surface)
- Improvement of primary color
- Brightness of colored products
- Smooth and shiny surface
- Improved optical properties
- Creating a frosty white color
- Color improvement in recycled polymers



## Physical Properties

Property	Typical Value (Data should not be used for specification work)	Test Method
Density	0.92 g/cm <sup>3</sup>	ISO 1183
Melt Flow Rate (190 °C/2.16 kg)	2.1 g/10min	ISO 1133
Melt Flow Rate (190 °C/5 kg)	9.5 g/10min	ISO 1133
Water Content	0.7 %	ISO 15512

## Packaging

Optical Brightener Masterbatch is available in the packing of 25 kg.

## Storage

Keep the product in cool & dry place with good ventilation. Away from the direct sunlight, high temperature, rains pour. More information on storage is found in the Safety data sheet (SDS) for this product.

## Safety

Check and follow local codes and regulations! Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product. For more information, please contact our Sales Team.