

## Technical Datasheet

### Product: Optical Brightener Agent Masterbatch

### Grade: C1PE-OBAM

#### Product Description:

C1PE-OBAM is an optical brightener masterbatch based on polyethylene resin. Optical brighteners absorb light in the UV-A range and re-emit it as blue light. This feature improves the appearance of the plastics products by masking the inherent yellowish color and giving to them a clean bluish shade. Because of excellent brightening ability, good thermal stability, and compatibility with many polymers, it is an effective optical brightener for many plastics.

**Applications:** Blown Film, Cast Film, raffia, Injection molding, Blow molding, Extrusion, etc.

#### Material Characteristics:

- Improve initial color.
- Reduce Yellowing of plastics.
- Improve whiteness of recycled polymer.

#### Appearance:

|              |          |
|--------------|----------|
| Host Polymer | PE       |
| Appearance   | Granules |
| Color        | Greenish |

#### Physical Properties:

| Properties           | Unit              | Value | Standard    |
|----------------------|-------------------|-------|-------------|
| MFI (190°C , 2.16Kg) | g/10min           | 16    | ASTM D 1238 |
| Specific Gravity     | g/cm <sup>3</sup> | 0.93  | ASTM D792   |

**Dosage:** Typical use levels will range from 0.1 to 0.5% by weight.

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C-One Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C-One Polymer Co. make no warranty and liability in connection with any use of this information.