

## Optical Brightener Agent Masterbatch

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### Introduction

Optical Brightener (Fluorescent Whitening) agent masterbatch absorbs light in the UV spectrum and emits light in the blue region of visible spectrum to yield a brighter and fresher appearance. The emitted blue color will reduce the yellow color of a polymer.

Because of excellent brightening ability, good thermal stability, and compatibility with many polymers, it is an effective optical brightener for many plastics.

### Product Benefits

- Brighten colors
- Improve initial color
- Reduce yellowing of plastics
- Get brilliancy of colored or black pigmented articles
- Improve whiteness of recycled polymer

### Applications

- Injection molded plastics
- Film and Sheet
- Fibers

### Composition

- Additive: Optical Brightener Agent
- Carrier Resins: Polypropylene / Polyethylene

### Recommended Dosage Rate

- 0.5 ~ 1.5 wt% (For use in pigmented system)

The effectiveness of an optical brightener is depended on the type of substrate, processing conditions and possible interactions with other components in the formulation such as white pigments or UV absorbers. The optimum dosage rate must be determined by pre-test.