

## TECHNICAL DATA SHEET

### (Optical Brightener MFQ-OB1)

- **Product Description:**

Optical Brightener (OB-1) is a heat resistant and chemically stable fluorescent whitener that increases whiteness and provides brighter looking colors. It is used to offset the yellowness of a polymer and to yield a whiter appearance. Optical brighteners create brilliance by a fluorescence process involving absorption of invisible UV light and emission of visible blue light. OB-1 is especially useful in polyester and nylon fibers as well in high temperature engineering plastics.

OB-1 is recommended to increase the whiteness of polymers as well as high temperature engineering plastics, including polycarbonates, polyesters, and polyamides (nylon).

Goes or the processing of polyester, nylon fiber and terylen chemical.

Widely used in general plastics like PVC PE, PS, PP, EVA, ABS, etc with a very small quantity of less than 0.01% adding to polyolefin.

- **General Properties:**

Forms	• Powder
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Color	• Yellow
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- **Technical Specifications:**

Ingredients	≥ 98	%
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Ash Content	≤ 0.5	%
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Volatile Matter	≤ 0.5	%
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Melting Point	≥ 359	°C
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- **Advantages:**

Brilliant, neutral white cast that compensates for yellowing

Low volatility and excellent heat resistant make the product ideal for use in fibers and in engineering plastics processed at high temperatures

In combination with dyes, produces particularly bright shades

Good light fastness

- **Usage Mode:**

Recommended quantity: brightening agents of OB-1 in every 1000kg raw material:

Of 75 ~ 200g in PMMA, POM, polypropylene, nylon, polycarbonate, and so on.

Of 75 ~ 300g in terylen fiber.

Of less 100g in PE, PP, EVA, etc.

\* Packed in 20 kg or 5kg × 2 paper boxes at cool and dry places to be protected from light

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