



RISEWAY INTERNATIONAL LIMITED

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Technical Data Sheet

Optical Brightener OB-1

Application/Uses

- Coatings
- Plastics
- Man-made fibers
- Polyester
- Polymers
- Recycled polymers

Key Attributes

- Colors appear more brilliant
- Environmentally friendly
- Excellent brightening ability
- Produce a bluish tinge, masking yellowness
- Whiter-than-white appearance

Product Description

LEPUZ optical brighteners significantly improve the whiteness in both textile fibers and plastics. In polyester and nylon fibers, LEPUZ optical brighteners impart a pleasing whiter-than-white appearance and give more intensity to some colors as well. Because of its excellent brightening ability, good thermal stability, and compatibility with many polymers, LEPUZ OB-1 is an effective brightener for many plastics. LEPUZ OB-1 provides an excellent white, permanent color since the brightener is dissolved in the polymer or fiber during polymer manufacture. This permanence gives much better brightness retention over time versus other methods such as bleaching or surface treatment with optical brighteners. Optical whiteners function by absorbing ultraviolet radiation and re-emitting blue light. The emitted blue light will reduce the yellow color of a polymer and provide the whiter-than-white appearance.

Typical Properties

Property	Typical Value
Appearance	Greenish powder
Specific Gravity @ 20°C/20°C	1.39
Melting Point	359-361°C
Assay	98 wt % min
Particle Size	Pass 200 mesh