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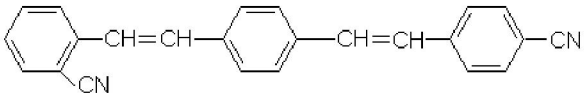
Optical Brightener ER-II(C.I.199:1)

Introduction:

ER-II is a bisdiphenylethylene class optical brightener mainly used in polyester fiber.

Structural Formula:



Details ：

CAS:13001-38-2

Molecular Formula: $C_{24}H_{16}N_2$

Molecular Weight : 332

Appearance: Pale yellow powder

MP: 184-186℃

Purity: ≥99%

Properties:

ER-II is a whitening agent for polyester. It is non-toxic, odorless, non-ionic and soluble in most of organic solvents. Product Whitened by ER has a natural pure white appearance. Being stable in chemical properties and characterized by strong high-temperature resistance and light stability, ER-II has a higher whitening performance than ER-I. It is one of the most ideal whitening agents generally accepted internationally for polyester fiber

Applications:

It is widely used in polyester, acetate and nylon fibers and has good whitening effect on plastics such as PE,PP and PVC. With strong fluorescence, high whitening performance and excellent fastness to sublimation. Lower luminance temperature than ER-1, higher whitening performance than ER-I

Method of usage:

1：pad-dyeing hot melt process: The recommended loading concentrations 1～4g/L technological process：padding----precure(100℃)----postcure（185--200℃,20-30seconds）, impregnation liquid pH is 4~5.

2．high temperature dyeing. The recommended loading concentrations 0.1～0.4%(o.w.f), bath ratio：

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1： 10～30; dyeing temperature：120～130℃,pH: 5～10depending on substrate, processing conditions, and long-term stability requirements.

Please Noted: above recommended loading can be a reference. Exact loading must be determined by compositions of the specific polymer system

Package: 25kg complex paper bag or fiber drum.