



# Dalian Richfortune Chemicals Co., Ltd.

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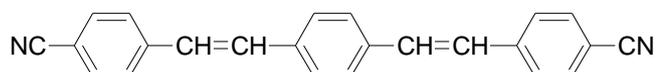
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## Optical Brightener ER-III(C.I.199:2)

### Introduction:

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

### Structural Formula:



### Details :

CAS:13001-40-6

Molecular Formula:  $C_{24}H_{16}N_2$  Molecular Weight : 332

Appearance: bright yellow crystal powder

MP: 289-291 Purity: 99%

### Applications:

It is widely used in polyester, acetate and nylon fibers especially for plastic, it can get better heat stability together with ER-I and ER-II.

### Properties:

ER-III 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, 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 especially for plastic. With strong fluorescence, high whitening performance and excellent fastness to sublimation. it can get better heat stability together with ER-I and ER-II.

### Method of usage:

The recommended loading concentrations is 0.02%-0.08% depending on substrate, processing conditions, and long-term stability requirements. It can be used together with delustering agent and blue purple dyes.

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



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**Package:** 25kg complex paper bag or fiber drum.