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Associazione Tessile e Salute
Azienda associata

p.IVA 00736390964 C.F. 02639210158 c.c.i.a. Milano n. 927455 Codice ISS azienda 00736390964

GAMMALANK E4N

High yield optical bleach for polyester, nuanced with an intense blue brilliant shade.

Properties

High yield optical brightener for polyester articles, nuanced with an intense blue brilliant shade.
High energy molecule: development at exhaustion from 120°C and in thermosol in the range 185-210°C.

Maximum fastness to sublimation: indicated on articles intended for transfer printing.
Can be used during oxidizing bleaching with peroxide in PES/CO blends.

Chemical-physical characteristics

Appearance: greenish dispersion
Chemical nature: derivative of styryl-benzene
Ionic charge: non-ionic
pH of the 10% solution: 6 - 8

Fields of application

Application by padding or exhaustion.
Recipes and quantities of use
Dilution/solubilization: The product is easily diluted in cold water with gentle stirring. It is advisable to shake the product carefully before each sampling.

Exhaustion treatment on polyester. Indicative recipe:

Gammablank E4N 0.2 – 1%
Wetting agent 0.5 - 1 g/l
pH buffer 1 g/l
at 120 - 130°C for 20-30'. Wash, dry and heat set at 185 – 210°C.

Exhaustion treatment on PES/CO. Indicative recipe:

Gammablank E4N 0.1 – 0.6%
Gammablank 101/3 0.2 - 0.5%
Wetting agent 0.5 - 1 g/l
Stabilizer Hydrogen peroxide 0.4 – 0.8g/l
Hydrogen peroxide 130 vol. 4 – 8ml/l
Caustic soda 36 Bé 2 - 5ml/l
at 120 - 130°C for 30-40'. The concentration of the two brighteners must be set according to the percentage of fiber present in the mixture. Wash, dry and heat set at 180 – 185°C to avoid excessive yellowing of the cotton fibre.

Thermofixed padding treatment on polyester. Indicative recipe:

Gammablank E4N 2 - 10g/l



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Wetting agent 0.5 - 1 g/l

Foulard (padding) impregnation with the highest possible bath absorption. Dry and heat set at 185 – 210°C.

Technical features

Chemical nature: Derivative of styryl-benzene

Ionicity: Non-ionic

Flame: Intense blue nuance

Molecule type: High energy

pH stability range: 2 – 12

Stability in hard water (dH): 20

Applications running out:

Temperature range: 120 – 130°C

Peroxide bleaching: Adequate

Reducing bleach: not stable

Chlorite bleaching: Not suitable

Continuous applications:

Development temperature: 185 – 210°C

Lightfastness: 5

Wash fastness:

ISO 105-C06/B1S 50°C - 5

ISO 105-C06/C1S 60°C - 4 - 5

ISO 105-C06/E2S 95°C - 4

Dry heat fastness

160°C +++

190°C +++

210°C +++

Storage: good stability under normal storage conditions. Avoid exposure to light and heat sources. Avoid prolonged periods of cold or scorching heat. We recommend shaking the product well before each use and closing the containers tightly after each sample.

Handling and safety: Information relating to handling and safety conditions is given in the product safety data sheet.

Keywords: bleaching, bleach, polyester, mixed, optical, bluing, whitening, optical brightener

The data reported are the result of careful studies and / or experience gained, however must be considered indicative and still no guarantee of employment. The data contained in this card does not have to issue specifications.

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