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品质保证 绿色环保



Product Name: Antree Rapid Leveling Agent

Brief Information

The rapid leveling agent is primarily used for high-temperature dyeing of polyester or polyester-blend fabrics and polyester microfiber fabrics.

Compared to traditional leveling agents, the rapid leveling agent has a higher tolerance and offers significant migration and leveling effects, especially for the rapid dyeing of disperse dyes.

General Properties

Appearance: Brown transparent liquid

Ionicity: Anionic/Nonionic

pH Value: 6.5-7.5

Applicable Scope

Suitable for polyester, polyester blends, yarn packages, and polyester microfiber fabrics.

Product Features

1. Provides excellent dye uptake synchronization, ensuring uniform adsorption and penetration of dye molecules on the fibers, preventing color streaks.
2. Exhibits good migration properties, preventing secondary aggregation of disperse dyes and contamination of the dyeing machine.

3. Demonstrates outstanding slow-dyeing properties, allowing for uniform dyeing even with rapid temperature increases, saving 30-50 minutes compared to traditional leveling agents.

Application Process

Dyeing Plant Heating Process:

Use 0.25% leveling agent: Enter dye at 40-50°C (reuse water with temperature); increase temperature at 2°C/min to 80°C and hold for 5 minutes; increase temperature at 1.2°C/min to 115°C and hold for 10 minutes; increase temperature at 1.5°C/min to 135°C and hold for 30 minutes.

The usual dosage of leveling agent is 0.2-0.3% (based on fabric weight) (light colors: 0.3g/L, dark colors: 0.2g/L), and the usual dosage of corrective agent is 0.5-1% (based on fabric weight); bath ratio 1:6.

Note: *The rapid leveling agent is a high-concentration product that can be used directly or diluted before use, depending on the manufacturer's convenience.*

Disclaimer

This information is based on Antree Technology's research and is currently confirmed to be correct. Any technical advice provided by the company, whether orally or in writing, is given in good faith. However, users are responsible for testing the suitability of the company's products for their specific process conditions, as the company's control over users' processing conditions is limited. The company only guarantees that the products meet the specifications and consistency of the product.