

TECHNICAL INFORMATION

SEGACEL T50

It has been developed for PES and PES/CO dyeing yarn, woven and knitted fabrics for washing processes after dyeing

- Leveling–dispersing agent for dyeing yarns and PES textiles; It is particularly effective in dyeing wrapped products.
- It is a product that replaces reductive washing after disperse and disperse + reactive dyeing.
- Reactive or disperse dye contaminants in polyester and cotton fibers are cleaned in one bath (washing fastness can be improved)
- Also, the process time is shortened since no reductive washing is done.
- Reducing (such as hydrosulfite) and environmentally harmful products are also not used in this process.
- It saves water and energy consumed.
- Does not contain APEO.
- It has no effect on color.

PROPERTIES

Chemical Structure	Polyester water soluble resin
Appearance	Yellowish slightly turbid liquid
Ionic Character	Anionic
pH	5.0–7.0
Solubility	Soluble with water at any ratio
Compatibility	Generally compatible with anionic and nonionic chemicals. We recommend testing before use.
Density	1.09 +/- 0.05 g/cm ³
Stability	Stable to hard water, acids and electrolytes.

APPLICATION

Dyeing Process:

Use Segacel T50 in an amount of 0.5 – 1 g/L depending on the condition of the color; a little more product can be added for better dispersion of the dyestuff.

Washing Process:

After disperse dyeing, reactive dyeing is started without reductive washing. After the reactive dyeing is completed, neutralized, cold and warm washes are done respectively. Afterwards, Segacel T50 1–2 g/L is added to the bath and boiling is started. The pH range of the bath should be 5–7.5. Both PES and CO fiber are cleaned. If desired, Segacel T50 2–3 g/L is used depending on the color darkness instead of reductive washing in single PES fiber dyeing. Also, there is no need for a reductive washing.

NOTE:

Degradation of Segacel T50 occurs in environments with high electrolyte concentration or pH > 8. For this reason, cold rinsing and neutralization must be done before Segacel T50 washing.



PRECAUTIONS

Storage and handling: The storage life in original package at 0–40 °C is 12 months.

Safety usage and transportation: When standard hygiene and operating rules are adhered to, Segacel T50 The concentrate does not cause any damage. However, the product should be washed with water in direct or prolonged contact with the skin or in the event of splashes.

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