

Luminophore TCB

(Single stage Fluorescent Whitening Agent for Polyester Fibers and their Blends)

Nature	:	Mixture of Styrylbenzene derivatives.
Physical form	:	Bluish-Violet Liquid dispersion
Shelf Life	:	LUMINOPHORE TCB Liquid can be kept in the original sealed containers at temperatures between 0° C and 35° C for at least 12 months

Partly used containers should be kept tightly closed and used up as soon as possible.

As is the case with all dispersions, the contents of the container should be thoroughly homogenized by stirring before use

Advantages

1. Single stage process for whitening of polyester / cotton blends (in ratio's of 20:80 to 80:20)
2. Saves almost 50% time than the traditional dual stage whitening process
3. Water & steam consumption is reduced significantly, thereby making the process highly economical & eco-friendly.
4. Single stage whitening can now be achieved at even 95 C
5. Highly effective & economical product considering above factors.

Properties

Bluish-Violet Liquid Dispersion. (Produces white effects with bluish-Violet tint, depending on the dosage.

pH : pH of 1% solution approx. 4.5-6.0

Solubility : Miscible with water in all proportions.

Stable in hydrogen peroxide bleaching liquors.

Light fastness on PES/Co material - 4

Good affinity at the boil, without a carrier,
up to an application rate of 1.5%

pH Stability : The degree of whiteness is not affected by
pH in the range 4.5 - 12.

Application	
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Exhaust process : 0.15 - 1.5% LUMINOPHORE TCB Liquid

Liquor ratio 5 : 1 to 20 : 1
Initial temperature 50 - 60° C
Heat up to 130° C in 30 min.

15 - 20 min at 130° C
Dry.

Low temperature : 0.2 - 1.5 % LUMINOPHORE TCB Liquid

Liquor ratio 10 : 1 - 20 : 1
60 min at 95 - 100° C
Dry

An acceptable degree of whiteness can also be
obtained even in the 85 - 95° C temperature range
on some PES / CO - fiber types if the standard of
whiteness required is only low to average.

**One-step bleaching &
Brightening of PES/CO** : 0.2 - 1.5% LUMINOPHORE TCB Liquid

Liquor ratio 10 : 1 - 20 : 1
60 min at 98° C
Rinse & dry

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