

Luminophore SFN

(Fluorescent Whitening Agent for Polyester fibres and their blends)

Chemical Basis	Aqueous dispersion of styrylbenzene derivative
Colour Index Number	FWA C.I.199.1
Ionicity	Non-ionic
Form	Bluish to violet dispersion
PH of a 10% dispersion	4.5 to 5.5
Dispersion Properties	Miscible in cold water in all proportions
Shelf life	When stored in its original sealed container, LUMINOPHORE SFN, has a self-life of about 1 year.
Light fastness	5 - 6

SPECIAL PROPERTIES

- Economical without compromise in whiteness
- Excellent whiteness in the exhaust process at 95° C (even without addition of a carrier).
- Luminophore SFN, as dispersed in water, is neutral and stable to acids and alkalis, giving good optical whitening effect at a wide range of pH value (3.0 to 9.0)
- Luminophore SFN has an inherent bluish to violet hue depending on the amount added.
- Luminophore SFN has excellent fixation properties even at low temperatures.
- Luminophore SFN exhausts completely onto polyester fibers at the boil. Addition of carriers or raising temperature can enhance the degree of whiteness.

NOTES ON APPLICATION

Exhaust application

Excellent whiteness is obtained with Luminophore SFN at 95° C, even without the addition of a carrier. Optimum whiteness can be achieved at temperatures ranging between 95° C and 130° C for 30 minutes

At 98°C without Carrier process	0.1% to 0.6% Luminophore SFN
HT process (15-30 mins. at 130° C)	0.2% to 1.2% Luminophore SFN

Continuous process (Pad Thermosolling)

Luminophore SFN produces an excellent brilliant white effect at thermosol temperatures of 170° C to 210° C 15 to 30 seconds

Curtains	2 to 10 g/l Luminophore SFN
Knitted fabrics	2 to 10 g/l Luminophore SFN

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE SFN MAY TEND TO SETTLE DOWN ON PROLONGED STORAGE. IN SUCH A CASE, SIMPLE STIRRING SHALL RETURN THE PRODUCT TO ITS ORIGINAL FORM.



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