

Luminophore ERN 250%-330%

(Fluorescent Whitening Agent for Polyester fibres and their blends)

Chemical Basis	Aqueous dispersion of Hetrocyclic derivative
Colour Index Number	FWA C.I.135
Ionicity	Non-ionic
Form	White to Creamish dispersion
PH of a 10% dispersion	4.5 to 6.0
Dispersion Properties	Miscible in cold water in all proportions
Shelf life	When stored in its original sealed container, Luminophore ERN 250%-330%, has a self-life of about 1 year.
Light fastness	6 - 7

SPECIAL PROPERTIES

- Good Whiteness Maximum
- A very economical Optical Brightner for PES
- White to Violet shade
- Luminophore ERN can exhibit very good suitability by exhaustion or padding process.
- Luminophore ERN, 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 ERN exhausts almost completely under HT conditions. It has low affinity at the boil but uptake can be improved by addition of suitable carriers.
- Excellent compatibility with thermosetting resins

NOTES ON APPLICATION

Exhaust application

In the exhaust process it is recommended to heat the bath rapidly to 90°C, if the product is applied at 100°C, a suitable carrier must be added.

Carrier process	1.0% to 2.0% LUMINOPHORE ERN
HT process (15-30 mins. at 130°C)	1.0% to 2.0% LUMINOPHORE ERN

Continuous process (Pad Thermosolling)

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

Curtains	20 to 40 g/l Luminophore ERN
Knitted fabrics	03 to 40 g/l Luminophore ERN

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE ERN 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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