TECHNICAL LITERATURE

Luminophore ERN

(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 ERI, 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 (30 minutes at 120° C to 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.

This information is submitted on our current knowledge and experience. These guiding recopies do not relieve the processors from carrying out their own trials, tests and experiments; nor do they imply any legally binding assurances of our product and its properties.

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