

TECHNICAL LITERATURE

LUMINOPHORE ERI/ER/RNI LIQ

(Fluorescent Whitening Agent for Polyester fibres and their blends)

Chemical Basis	Aqueous dispersion of styrylbenzene derivative
Colour Index Number	FWA C.I. 199
Ionicity	Non-ionic
Form	Greenish yellow 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 ER LIQ, has a self-life of about 1 year.
Light fastness	5 - 6

Special Properties

- ❑ Excellent Whiteness Maximum
 - ❑ Owing to its high yield, LUMINOPHORE ER LIQ, is very economical.
 - ❑ LUMINOPHORE ER LIQ can exhibit very good suitability by exhaustion or padding process.
 - ❑ LUMINOPHORE ER LIQ, 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 ER LIQ has an inherent reddish hue, additions of a violet disperse dye, 0.1% to 0.2% on the weight of LUMINOPHORE ER LIQ would help increase whiteness and adjust colour shade.
 - ❑ LUMINOPHORE ER LIQ exhausts almost completely under HT conditions. It has low affinity at the boil but uptake can be improved by addition of suitable carriers.
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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	0.1% to 0.3%	LUMINOPHORE ER LIQ
HT process	0.1% to 0.4%	LUMINOPHORE ER LIQ

Continuous process (Pad Thermosolling)

LUMINOPHORE ER LIQ produces an excellent brilliant white effect at thermosol temperatures of 170° C to 210° C.

Curtains	1 to 5 g/l	LUMINOPHORE ER LIQ
Knitted fabrics	1 to 2 g/l	LUMINOPHORE ER LIQ (adjust pH to 3.5 of the liquor)

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE ER LIQ, 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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