

Luminophore ERI

(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 ERI, has a self-life of about 1 year.
Light fastness	5 - 6

SPECIAL PROPERTIES

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

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 ERI
HT process (15-30 mins. at 130° C)	0.1% to 0.4% LUMINOPHORE ERI

Continuous process (Pad Thermosolling)

Luminophore ERI produces an excellent brilliant white effect at thermosol temperatures of 170° C to 210° C.

Curtains	1 to 5 g/l Luminophore ERI
Knitted fabrics	1 to 2 g/l Luminophore ERI (adjust pH to 3.5 of the liquor)

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE ERI 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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