



PRODUCT LITERATURE

SARAWHITE-CLE

Product Information

Sarawhite-CLE is a high light fastness (grade 5) optical brightening agent for Polyamides. Sarawhite-CLE imparts brilliant whites with violetish white shade on the treated fabrics. It has good affinity for nylon under high temperature. Sarawhite-CLE can be applied by both, exhaust as well as by continuous method. It shows good fastness to light and chlorinated pool water. Sarawhite-CLE being stable to most of the bleaching agents, combined bleaching and optical brightening process can be carried out.

Key Features & Benefits

Key Features	Benefits
Violetish white shade	Brilliant whites can be obtained
Good stability to bleaching agents	Combined bleaching and optical brightening possible

General Characteristics

Physical appearance	Light reddish yellow liquid
Ionic nature	Anionic
pH of 1% solution	4 +/- 1
Miscibility	Miscible with water
Compatibility	Compatible with anionic and nonionic products
Stability	Stable to dilute acids and dilute alkalies

Application

Padding Process	Exhaust Process
Dosage : 10-20 g/l	Dosage : 1-3%
Pick-up : 65-70%	Bath pH : 4.0-5.0
Bath pH : 4.0-5.0	Bath Temp : 95-100 deg.C
Drying : 120-160 deg.C	Time : 30-40 mins.



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STABILITY & FASTNESS PROPERTIES

Stability to	Remarks
Peroxide bleach	Stable
Reduction bleach	Stable
Chlorite bleach	Stable
Chlorine bleach	Stable
Hard water, ppm (Ca)	Stable
pH	10
Acids	Stable
Alkalies	Stable
Hydrosulphite	Stable
compatibility with softeners	Compatible

Fastness properties	Methods	Rating
Light fastness	ISO 105-B02	5-6
Wash fastness, 60 deg.C	ISO 105-C06 C1	5
Wash fastness, 90 deg.C	ISO 105-C06 E1	5
Dry heat fixation, 180 deg.C	ISO 105-P01	5
Dry heat fixation, 210 deg.C	ISO 105-P01	5
Perspiration, acidic	ISO 105-E04	5
Perspiration, alkaline	ISO 105-E04	5
Dry cleaning (perchloroethylene)	ISO 105-D01	5
Sublimation	ISO 105-P01	5
Chlorine bleach	---	5
Chlorite bleach	---	5

Precautions

Storage	Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg c. Close lids firmly to avoid contact with air and moisture.
Shelf Life	9 months from the date of manufacturing, if stored under controlled conditions.