



PRODUCT LITERATURE

TEXWHITE-945

Product Information

Texwhite-945 is an optical brightening agent for polyester and polyester blends suitable by exhaust as well as continuous application. Material treated with Texwhite-945 offers slightly reddish neutral white tone. Texwhite-945 can be added in combined scouring and weight reduction treatment of 100% polyester fabric as it is stable to high alkaline pH..

Key Features & Benefits

Key Features	Benefits
pH stability(2-12)	Suitable for combine scouring and weight reduction
Versatile	Can be applied by exhaust and pad application and compatible with finishing agents
Good stability to bleaching liquors containing peroxide electrolyte and reducing agent	Applicable to hydrogen peroxide bleaching and reductive bleaching

General Characteristics

Physical appearance	Greenish yellow viscous liquid
Ionic nature	Nonionic
pH of 1% solution	6 +/- 1
Miscibility	Miscible with water
Compatibility	Compatible with anionic, cationic and nonionic products
Stability	Stable to dilute acids and alkalies

Application

Padding process

Texwhite-945	: 2-4 g/l
Saracid-RS	: 2-3 g/l (optional)
Saraline-FI	: 3-5 g/l
Pick-up	: 65-70 %
Bath pH	: 4.5-5.5
Thermofix	: 190-210 deg.C, 45-60 secs.



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Exhaust process

Texwhite-945 : 0.15-0.4%
Saragen-DAM : 0.5-1 % (optional)
Saracid-RS : 0.5-1 % (optional)
Bath pH : 4.5-5.5
Bath Temp. : 130-135 deg.C,
Time : 30-45 mins.

Note: Texwhite-945 can also be added during finishing of polyester and polyester blends alongwith other finishing chemicals using the same dosage mentioned under pad application.

STABILITY & FASTNESS PROPERTIES:

<u>Stability to:</u>	<u>Remarks</u>
Peroxide bleach	Stable
Reduction bleach (hydro sulphite based)	Stable
Chlorite bleach	Unstable
Hard water	Good

<u>Fastness properties</u>	<u>Methods</u>	<u>Change in degree of whiteness</u>
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

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.