

ITOWHITE GBP is a medium substantive optical brightening agent especially suited for producing brilliant whites on polyamide and cellulosic fibres on jet, jig, winch and package dyeing machines. ITOWHITE GBP is also applicable on cotton and viscose using padding techniques. Wool and silk can also be processed using exhaustion techniques.

PROPERTIES

- **Appearance** : Amber Coloured liquid
- **Ionic Character** : Anionic
- **Solubility** : Miscible
- **Specific Gravity (25°C)** : 1.2
- **Shade** : Blue-Violet

APPLICATION

In Padding:

- **ITOWHITE GBP** : 2.5 - 7.5 g/l
- **Drying** : 100°C for 1-2 min.

In Exhaustion:

- **ITOWHITE GBP** : 0.25 - 1.0 %
- **Liquor Ratio** : 10:1, at 95°C for 60 min.
- **Dehydrating and Drying** : 100°C for 1-2min.

ITOWHITE GBP is not suitable for Kier Bleaching as it is too substantive. The usual application method for ITOWHITE GBP is from a hydrogen peroxide bleach bath. Bleaching is usually carried out for one hour and the whitening effect is usually maximised by cooling back to 60°C at the end of the bleaching process.

CHARACTERISTICS

1. ITOWHITE GBP is a FBA for Polyamide or cotton
2. ITOWHITE GBP can be Exhaust or Pad applied
3. ITOWHITE GBP is a Blue Violet tinted FBA

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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APPENDIX

A) Application to cotton and viscose - Exhaust method

The usual application method for ITOWHITE GBP is from a hydrogen peroxide bleach bath.

1) Winch or jet bleaching.

- **Hydrogen peroxide 35% (w/w)** : 8.0 ml/l
- **Caustic Soda (Solid)** : 0.5 g/l
- **Peroxide Stabiliser** : 1.0g/l
- **ITOWHITE GBP** : 0.25 -1.0%

2) Jig bleaching

- **Hydrogen peroxide 35% (w/w)** : 3 - 5%
- **Caustic Soda (Solid)** : 1 - 1.5%
- **Peroxide Stabiliser** : 1 - 1.5%
- **ITOWHITE GBP** : 0.25 -1.0%

3) Package bleaching

- **Hydrogen peroxide 35% (w/w)** : 13.0 ml/l
- **Caustic Soda (Solid)** : 0.5 g/l
- **Peroxide Stabiliser** : 1 - 2g/l
- **ITOWHITE GBP** : 0.25 -1.0%

Bleaching normally carried out for 1 hour. Whitening effect is usually maximised by cooling back to 60°C at the end of the bleaching process.

B) Application to cotton and viscose - Exhaust method

ITOWHITE GBP is applicable by padding from either water only bath or bath containing Nonionic/anionic additives. Recommended concentrations range from 2.5g/l to 7.5g/l depending on pickup. It is advisable to carry out compatibility trials with resin finishes before bulk processing.

C) Fastness

	Light Fastness (Blue Scale rating)	Wash Fastness	
		ISO	ISO4
Cotton	4	4	4
Nylon 6	4	4	4
Nylon 66	4	4	4