

GOLDBLANC BHZV

Optical brightener for cellulosic fibers and their blends with violet shade.

Features and Benefits:

- High affinity optical brightener.
- Excellent wash fastness, even applied at high temperatures.
- Luminous white with a high whiteness degree.
- Excellent whitening effect and violet shade reproducibility.
- Homogenous product, with no tendency to sedimentation, ensuring reproducibility from process to process.
- Good stability to alkali, hydrogen peroxide and electrolytes. Recommended for discontinuous bleaching systems with hydrogen peroxide.
- Good light and wet fastness.
- Product has good stability if stored according to Safety Data Sheet (SDS) guidelines.

Physicochemical parameters:

Aspect	Blue liquid.
Chemical nature	Composition based on stilbene derivative in aqueous medium.
Ionic character	Anionic.
Solubility (sol. 10% w/w)	Soluble at 25 °C under stirring.
pH (such as)	9.5 – 11.0
Compatibility	Compatible with nonionic and anionic products, but it is recommended previously test.
pH stability	7.0 – 12.0
Fastness properties	See table below

Fastness properties			CEL
Light		ISO 105-B02	3 – 4
Washing*	40°C	ISO 105-C06/A1S	5
	60°C	ISO 105-C06/A1S	4 – 5
	95°C	ISO 105-C06/E2S	4
Sweat	Alkaline	ISO 105-E04	5
	Acid		5
Dry heat	30s / 180°C	ISO 105-P01	5
Nitrogen Oxides	1 cycle	ISO 105-G04	5
	2 cycles		4 – 5

* The grading of fastness is kept even the wash bath has a reductive bleaching agent (sodium hydrosulfite) or oxidizing agent (hydrogen peroxide).

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Application:

In neutral and alkaline baths, with or without addition of electrolytes, particularly for regenerated cellulose. Preferably in conjunction with peroxide bleaching.

Dissolution / Dilution	Miscible with hot or cold water in all ratios. The solutions must be stored in the dark, away from light.
Recommendation for recipe	0.3 – 0.6% Goldblanc BHZV
Simultaneous bleaching with peroxide and optical brightener	<ul style="list-style-type: none">- 0.5 – 1.0 g/L Goldpal UHN- 0.5 – 1.0 g/L Goldstab OX- 5.0 g/L Caustic soda 50%- 5.0 – 6.0 ml/L Hydrogen peroxide 50%- 0.3 – 0.6% Goldblanc BHZV- Liquor ratio: 1:8 <p>Time / temperature:</p> <ul style="list-style-type: none">- Without chemical bleaching: 15 – 30 minutes at 80 - 60°C- With chemical bleaching: 20 – 60 minutes at 120 - 90°C

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and processes applications, the information here provided with fidelity, should be understood as a tool for guidance, therefore we cannot be responsible for any damages resulting from in inappropriate use. The data contained in this bulletin are based on current knowledge and current applications of our products performed. Additional information may be obtained from our technical department. Review: 10/30/2017.