

Technical - Information

AVCO-LUX BKR

TINTED BRIGHTENER FOR CELLULOSE FIBRES

AVCO-LUX BKR produces very brilliant optical brightening effects on cellulose fibres. AVCO-LUX BKR is an optical brightener with high light stability and chemical stability.

SPECIFICATION:

Appearance	Slight yellow uniform powder.
Chemical nature	Derivative of stilbene.
Ionicity	Anionic
Solubility	250 g/l (boiling temp).
pH (1%)	9 ± 1
Fluorescent color	Slightly reddish.
Compatibility	Is not compatible with Hypochlorite and Sodium chlorite.

PROPERTIES AND USES:

1. With strong fluorescence, excellent whitening performance and slight reddish shade.
2. Good acid stability.
3. Stable in perborate and hydrogen peroxide, AVCO-LUX BKR is especially suitable for peroxide bleaching process.
4. AVCO-LUX BKR is mainly be used in whitening of cotton fabric and polyester/cotton blends, TC whitening in one bath.
5. With high affinity, AVCO-LUX BKR is mainly applied by exhaust process.

APPLICATION:

1. Exhaust process

AVCO-LUX BKR: 0.1 – 0.8 %

Bath ratio: 1:10 – 1:30

Treat at 90 – 100°C for 30 – 40 mins.

Wash and dry.

The process can be adjusted according the actual situation.

2. One bath Hydrogen Peroxide Bleaching and whitening

AVCO-LUX BKR: 0.05 – 0.5%

Hydrogen peroxide 50% 5 – 15 g/l

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AVCO-STABILIZER HSF:	1 – 5 g/l
NaOH 50% :	2 – 4 g/l
AVCO-BIOLIT JET:	0.5 – 1 g/l (or AVCO-BIOLUZE MAX HC)
Bath ratio:	1:10 – 1:30

Treat at 90 - 100°C for 30 – 40 mins.
Wash and Dry.
The process can be adjusted according the actual situation.