

Technical - Information

AVCO-LUX BKN

OPTICAL BRIGHTENER FOR CELLULOSE FIBRES WITH NEUTRAL SHADE

AVCO-LUX BKN produces neutral optical brightening effects on cellulose fibres and its blends. AVCO-LUX BKN 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%)	7 ± 1
Fluorescent color	Neutral.
Compatibility	Is not compatible with Hypochlorite and Sodium chlorite.

PROPERTIES AND USES:

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

APPLICATION:

1. Exhaust process for cotton

AVCO-LUX BKN: 0.05 – 0.5 %

Na₂SO₄: 5 – 20 g/l

Bath ratio: 1:10 – 1:30

Treat at 60 – 100°C for 10 – 40 mins.

Wash and dry.

The process can be adjusted according the actual situation.

2. One bath Hydrogen Peroxide Bleaching and whitening one bath for cotton

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AVCO-LUX BKN:	0.5 – 2	%
Hydrogen peroxide 50%:	5 – 15	g/l
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.