

Technical - Information

AVCO-SON AR

OXIDIZING AGENT FOR DYEING WITH DISPERSE, REACTIVES AND DIRECT DYES

AVCO-SON AR is a low foaming oxidizing agent for preventing shade variations caused by dye reduction in the dye-bath.

SPECIFICATION:

Appearance	Low viscosity, clear, colorless liquid.
Chemical nature	Aqueous solution of alkali and inorganic salts.
pH (10% sol.)	Approx 9
Ionicity	Anionic.
Solubility	Miscible with water at any ratio.
Compatibility	<ol style="list-style-type: none"> 1. It is not compatible with cationic and reducing agents. 2. Compatible with anionic and nonionic products in dye-baths. 3. Stable to acids and electrolytes at the concentration that are usually used in dye-bath. 4. Stable in hard water.
Storage	Freezes below 0°C. Fully usable after thawing. Stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-SON AR is a mobile liquid which can be metered as is without pre-dilution.
2. AVCO-SON AR prevents reduction of sensitive dyestuffs by reducing agents.
3. AVCO-SON AR improves the reproducibility of polyester dyeing with disperse dyes, especially with azoid blue and navy blue types that are sensitive to reduction.
4. AVCO-SON AR effectively prevents the adverse effects on shade and depth of shade when reductive dyeing conditions and heavy-metal ions coincide, as for example in one-bath dyeing of polyester/cotton and polyester/viscose. The final shade of dyeing with reactives or direct dyes remain constant.
5. Low foaming.

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APPLICATION:

AVCO-SON AR is added to the dyebath, together with other dyeing auxiliaries, before the dyes.

1. Dyeing of polyester

An application rate of 1 g/l AVCO-SON AR is normally adequate for dyeing polyester fibres.

Under difficult conditions, 2 g/l AVCO-SON AR should be used.

2 Dyeing of polyester/cotton and polyester/viscose

When PES/Cotton fibres are dyed under unfavorable processing conditions (high temperature, long dyeing time, short liquor ratio,...) the addition of 1 – 2 g/l AVCO-SON AR prevents reductive damage to the dyeing.