

AVCO-NAL PS

LEVELLING AND DISPERSING AGENT FOR DISPERSE DYES

AVCO-NAL PS is an efficient levelling agent with dispersing properties for dyeing polyester with disperse dyestuffs at HT conditions.

AVCO-NAL PS is an environment friendly product. It does not contain any hazardous and volatile component in its composition.

AVCO-NAL PS is composed of biodegradable ingredients with no potential for bio-accumulation, with no evolution of toxic compounds during biodegradation.

SPECIFICATION:

Appearance	Light brownish yellow liquid.
Chemical nature	Blend of nonionic and anionic surfactants and dispersing agents.
Compatibility	Stable to chemicals, mild acids and alkalis as used in dyeing disperse dyestuffs. Stable to water hardness.
Density at 20°C	1.02 g/cc
Ionicity	Anionic / nonionic
pH (as is)	7 ± 0.5
Solubility	Dispersible in water in any ratio
Storage stability	Freezes at 0°C. Fully usable after thawing. Storage stability is at least 12 months.

PROPERTIES & USES:

AVCO-NAL PS is an excellent leveling and dispersing agent, used for dyeing process with disperse dyes on polyester and blended yarns/fabrics.

1. Highly effective levelling properties.
2. Good dispersing properties.
3. Stable with electrolytes.
4. Has no retarding effect, result with good color yield.
5. Can level-out "barriness" problem and produces excellent coverage of stripes
6. Improve stability of disperse dye liquor.
7. The product is low foaming. When adding the electrolytes or lubricants such as AVCO-SLIP RF into baths, it makes minimum foaming, especially during heating up or cooling stages.

APPLICATION:

AVCO-NAL PS is added to dyebath prior to adding the dye. A short pre-circulation of the bath is advisable. Addition of the product to the concentrated dye should be avoided.

Recommended dosage: 0.5 – 2g/l

In difficult cases, the use of 2 – 3g/l will give an excellent result.

Procedure:

1. Add AVCO-NAL PS and circulate for 3-5 minutes
2. Adjust the bath with AVCO-CID PHS to get pH =4-4.5
3. Starting heating up, add dyestuff at 50- 60°C
4. Raise to 130°C and hold for 20-60 minutes depend on shade.
5. Cool to 70°C and drop bath
6. Wash or reduction clear if need.

For get maximum coverage of barriness, select the most suitable dyestuff.

Apply 3-4 g/l AVCO-NAL PS, dye at 130-135°C FOR 60 minutes.