

Technical - Information

AVCO-LPAM

SURFACTANT FOR AFTER-WASHING OF PRINTED POLYAMIDE

AVCO-LPAM is a surfactant specially manufactured to remove and suspend residual acid dyes from printed and dyed polyamide fabrics.

SPECIFICATION:

Appearance	Slightly yellowish clear liquid.
Chemical nature	Aqueous preparation of poly- ethoxylated surfactants and protective colloids.
Compatibility	Compatible with mild acids and alkalies.
Ionicity	Nonionic / anionic.
pH (10% sol.)	8.0 – 9.0
Solubility	Miscible with water at any ratio.
Storage	Freezes below 0°C. Fully usable after thawing. Stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-LPAM enables rapid removal of synthetic and natural thickeners from the printed fabrics.
2. AVCO-LPAM removes and suspends unfixed dyes.
3. AVCO-LPAM keeps unfixed dyes in water dispersion, and prevents redeposition and staining of white and colored grounds of the printed fabrics.
4. Keeps white areas clean and bright.
5. Assures clear and bright shades, with better crock and wash fastness.
6. While printing polyamide blends with cellulosic fibres, AVCO-LPAM keeps acid dyes from staining the cellulosic fibres.
7. Low foaming surfactant.
8. Liquid product which can be dosed as is.

APPLICATION:

I. Batch Operation:

In the batch type machine (winch, jig, beam or jet) use the following procedure:

1. Rinse with cold water until no additional bleeding occurs, with the following recipe:

AVCO-LPAM	1 - 2 g/l
soda ash	1 - 2 g/l
2. Scour with a fresh bath at 50 - 60°C for 30 minutes with the following recipe:

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soda ash	1 - 2 g/l

3. Rinse and neutralize with Acetic-acid.
4. Treat with AVCO-FIX NRC LIQ (2 - 4% o.w.g) if needed.

II. Continuous Operation

In continuous washing machine use the following procedure:

Box No. 1	- cold rinse with 1 - 2 g/l soda ash.
Box No. 2	- cold rinse with 1 g/l AVCO-LPAM.
Box No. 3	- warm rinse (50°C) with 1 - 2 g/l AVCO-LPAM. 1 - 2 g/l soda ash.
Box No. 4-5	- repeat No. 3 at 60°C.
Box No. 6-7	- rinse at 30 - 40°C.

To improve wash fastness a treatment with AVCO-FIX NRC LIQ (2 - 4% o.w.g.) in the last box or in a separate application is recommended.

REMARKS:

1. Washing off should be done with soft water. If the water are not soft enough add a complexing agent such as AVCO-TRYL DF or AVCO-POLYQUEST RE.
2. In order to prevent staining of white areas in printed fabrics, addition of caustic soda (1 - 2 cc/l) to the first cold rinse is recommended.