

AVCO-PRODUCT 33036

DISPERSING AGENT FOR OLIGOMERS IN POLYESTER DYEING

AVCO-PRODUCT 33036 is a dispersing agent used in polyester dyeing to overcome the problem of re-deposition of oligomers onto the fibres and on the dyeing machine walls as a white dust.

AVCO-PRODUCT 33036 is dispersing the PET oligomers which diffuse out from the inside of the polyester fibres to the surface of the fibres and to the dyeing liquor during the high temperature dyeing process. AVCO-PRODUCT 33036 keeps the oligomers finely dispersed in the liquor and prevents precipitation of the oligomers on the fibre surface and on the machine walls.

SPECIFICATIONS:

Appearance	Brown liquid
Chemical nature	Aqueous solution of sulfonated surfactants
Solubility	Miscible with water at any ratio
pH (10% sol.)	6.5 – 7.5
Ionic type	Anionic
Compatibility	Stable to alkalis, acids and electrolytes under the normal conditions
Storage	Stable for at least 12 months.

PROPERTIES & USES:

1. AVCO-PRODUCT 33036 is a dispersing agent for oligomers in disperse dyes dyeing processes. Can be applied in the dyeing bath with the usual leveling agents, carriers and dispersing agents.
2. Prevents precipitation of oligomers deposits on yarns and fabrics surface and on dyeing machine walls.
3. Does not affect the colour yield and the shade of the dyeing.
4. Can be washed-off easily from the treated fibres at any temperature.
5. Does not affect the stability of the dyestuff dispersion.
6. Does not affect the light fastness of the dyeing.
7. Recommended for dyeing polyester, triacetate and blends.

Technical – Information

APPLICATION:

AVCO-PRODUCT 33036 is recommended for dyeing in exhaust dyeing processes such as yarn, beam dyeing and jet machines.

Following is an example of a HT dyeing procedure for polyester in jet machine:

1. Warm the bath to 50-60°C and add 1-2 g/l AVCO-PRODUCT 33036.
2. Adjust the pH to 4 - 5 with acetic acid or with AVCO-CID PHS (acid buffer).
3. If necessary add 1-2 g/l AVCO-LEV POL LF (leveling agent).
4. Add the disperse dyestuffs (pre-dispersed in water and filtered).
5. Raise the temperature to 125 – 135°C and dye for 30-45 minutes.
6. Cool down slowly to 80°C and drop the bath.