

## AVCO-DISPERSANT HT

*HIGH TEMPERATURE DISPERSING AGENT FOR DISPERSE DYES*

AVCO-DISPERSANT HT is a low-foaming dispersing agent used in dyeing of Polyester, Polyester blends and Acetates with disperse dyestuffs.

*SPECIFICATION:*

<b>Appearance</b>	Polyester polymer in aqueous solution.
<b>Chemical Nature</b>	Turbid liquid.
<b>Specific gravity at 20°C</b>	0.98 – 1.05 g/cm <sup>3</sup>
<b>Ionicity</b>	Anionic.
<b>Solubility</b>	Miscible in water.
<b>Stability to:</b> <b>Acids, Alkalis, Water hardness</b>	} Good under the conditions normally found in commercial practice
<b>Storage stability</b>	Good for at least 12 months.

*PROPERTIES & USES:*

1. Highly effective dispersing properties towards disperse dyes at high temperature.
2. Very good results when dyeing in systems difficult to level such as beams and yarn machines.
3. Combine with AVCO-LEV DLX will give good levelling result for critical shade.
4. Improves stability of disperse dye liquors.
5. The product is low foaming, especially during the heating up and cooling down processes.

*APPLICATION:*

### 1) Dyeing with disperse dyes

In normal cases 1 g/l AVCO-DISPERSANT HT suffices, in difficult cases up to 3 g/l AVCO-DISPERSANT HT are used.

Following is an example of a procedure for HT dyeing:

1. Warm bath to 50-60° and add 1-3 gr/l AVCO-DISPERSANT HT.
2. Adjust pH to 4-5 with AVCO-CID PHS NEW (acid buffer).

3. Add 1-2 g/l AVCO-LEV DLX (levelling agent).
4. Add the disperse dyestuff (pre-dispersed in water and filtered).
5. Raise the temperature to 130°C and dye for 30-45 minutes.
6. High pressure drop or cool down slowly to 80°C and drop bath.

**2) Detergent for after washing dyed/printed polyester**

Use the following recipe:

NaOH(50%)	1 - 3 g/l
Hydrosulphite	2 - 4 g/l
AVCO-DISPERSANT HT	1 - 3 g/l

Treat at 70-80°C for 20-30 mins and rinse.