

AVCOLUB HLA

YARN SMOOTHING AGENT WITH A SOFTENING EFFECT

AVCOLUB HLA is a yarn lubricant and softener which can be applied to cotton and acrylic knitting yarns, to increase their surface smoothness, and to lower fibre/metal and fibre/fibre friction, and thus to enable high speed knitting, with less seconds and less machine stops.

SPECIFICATION:

Appearance	Almost white, slightly viscous liquid
Chemical nature	Dispersion of long chain hydrocarbons and fatty ester derivatives.
Ionicity	Cationic
pH (as is)	5 ± 1
Solubility	Miscible with water at any ratio
Compatibility	Should not be mixed with anionic products
Storage	Sensitive to frost. Do not store in hot places. When properly stored, storage time is at least 12 months.

PROPERTIES AND USES:

1. Reduces fibre/metal and fibre/fibre friction nearly 50% compared to untreated material.
2. Imparts soft and full hand to treated yarns.
3. Product is non-yellowing and thermostable.
4. Does not affect tear resistance and extension.
5. Does not affect dyeing fastness.
6. Can be applied in yarn dyeing machine, with or without another cationic softener.
7. Use of AVCOLUB HLA cancels need of after waxing of yarns in winding machines.
8. Uniform distribution of the product through the cross - section of the bobbin.
9. Low foaming properties.
10. Imparts anti-static properties to treated yarns.
11. AVCOLUB HLA is used for finishing cotton, wool, poly-acrylic and blends of these fibres.
12. AVCOLUB HLA is used as a softener for fabrics, which improves very much the sewability of the treated fabric.
13. AVCOLUB HLA is recommended to be used as a napping and raising aid for knitted and woven fabrics.

APPLICATION:

a. Application on yarns:

AVCOLUB HLA is applied as in normal softening treatment.
Treat at 40-50°C at pH 5.5-6.5 for 15-30 minutes.
Application level should be 2-4% O.W.G.

b. Application on fabrics:

1. Application by exhaustion procedure should be done at pH 5-6, at 40-50°C for 15-30 minutes. Level of application should be 2-4% O.W.G.
2. Application by padding should be at concentration of 20-50 g/l, with or without another softeners or elastomers.
3. Over-dyeing/shading

When yarn has to be redyed or shaded, applied AVCOLUB HLA can be washed off by treating with 2 g/l AVCOPAL BN at 70°C for 20 minutes.