

AVCO-ELASIL WBF 01

SILICONE ELASTOMERIC SOFTENER IN MICRO EMULSION

AVCO-ELASIL WBF 01 is an excellent silicone softener, used to impart special finishing effects on all kinds of textiles. When there is a need for elasticity, softness, lubricity, sew ability, smoothness, ACVO-ELASIL WBF 01 is the best choice.

AVCO-ELASIL WBF 01 is a micro emulsion. The main advantage of the micro emulsion is its excellent emulsion stability even under high shear forces, such as in high speed padding machines.

AVCO-ELASIL WBF 01 is non-yellowing in normal finishing conditions.

SPECIFICATONS:

Appearance	Colourless clear liquid
Chemical nature	Emulsion of an aminommodified silicone fluid
Ionic character	Nonionic, becomes cationic in acid medium
pH (as is)	approx. 5
Solubility	Miscible with water at any proportion
Compatibility	a) Good with cationics and nonionics b) Compatibility with anionic products. Should be tested in Lab before use. c) Stable in neutral and acid conditions
Storage	Stable for at least 6 months if properly stored. do not store in direct sun. Sensitive to frost

PROPERTIES & USES:

1. Imparts smooth and soft handle, to fabrics, very good for OE articles
2. AVCO-ELASIL WBF 01 improves resistance to pilling and abrasion of textile fabrics.
3. AVCO-ELASIL WBF 01 improves sewability of the treated fabrics.
4. AVCO-ELASIL WBF 01 improves elastic recovery of knitted goods.
5. AVCO-ELASIL WBF 01 can be used alone or in combination with organic softeners.

APPLICATION:

AVCO-ELASIL WBF 01 is applied by padding technique processes on finishing machines, and exhaust processes on garment dyeing machines.

The application on high speed Jet dyeing machine and with highly shearing pumps should be pretest.

1. For application by exhaustion use the following procedure:

- a. Add water
- b. Adjust pH to 5 – 5.5 with acetic acid (0.2 – 0.5 g/l)
- c. Add prediluted AVCO-ELASIL WBF 01, dosage 1-3%.
- d. Treated at 30-40°C in 10-20 mins

2. For application by padding use the following procedure:

- a. Add water
- b. Adjust pH to 5 – 6 with acetic acid (0.2 – 0.5 g/l)
- b. Add AVCO-ELASIL WBF 01, dosage 10-60 g/l
- c. Add other finishing agents (check for compatibility)
- e. Pad and dry

AVCO-ELASIL WBF 01 needs no special catalyst for curing.

3. Combination with organic softeners:

AVCO-ELASIL WBF 01 can improve very much the handle and sewability of fabrics treated with organic softeners.

It can be used with nonionic and with cationic softeners as well.

For finishing high quality bed sheeting and upholstery fabrics use:

AVCO-ELASIL WBF 01	15 – 20 g/l
AVCO-SOFT CSNY	30 – 50 g/l