

AVCO-ELASIL WNE

HYDROPHILIC NONIONIC SILICONE SOFTENER

AVCO-ELASIL WNE is an hydrophilic softener, which is used to apply soft handle to the treated fabrics without impairing the absorbency of the fabrics.

AVCO-ELASIL WNE can be used for finishing towels and underwear fabrics, and any other textiles that need high quality re-wetting properties. The product is non-toxic and has no irritating effect on human skin when using textiles treated with it.

AVCO-ELASIL WNE is imparting outstanding wicking properties and vapour transmission properties to the treated fabrics. It is suitable for soil-release finish.

SPECIFICATION:

Appearance	Colourless to yellowish, clear liquid
Chemical nature	Aqueous solution of organo-modified polysiloxane
Compatibility	Can be used with all types of chemicals, normally encountered in textile finishing processes.
Ionicity	Nonionic
pH (as is)	Approx 5
Solubility	Soluble in water at any concentration
Storage	Store in a cool place at temperature below 40°C. Solidifies at 0°C. Fully useable after thawing and stirring. When properly stored, shelf life is at least 12 months.

PROPERTIES & USES:

1. Imparts a soft, smooth and bulky handle to all types of textiles.
2. Excellent hydrophilic and wicking properties of the treated fabric.
3. Improves soil release properties.
4. Improves comfort in wear of synthetic fabric in close contact with the skin.
5. Improves sew-ability in high speed industrial sewing machines.

6. Reduces surface tension of aqueous finishing liquors and therefore improves wetting out and penetration.
7. Can be used together with all types of organic softeners.
8. Recommended for use in the "AQUATOR" finishing process. It imparts excellent water vapour transmission through the textile fabrics.
9. Absolutely non yellowing finish.
10. Can be used in spraying machines.
11. Does not contain any volatile solubilizer, and does not release any air-polluting ingredients.

APPLICATION:

pH should be adjusted to 5 – 5.5

1. Apply by padding: 10 - 30 g/l.
2. Can be applied by exhaust process in short liquor ratio machines (1:15-1:7). Apply 1-3% o.w.g. at 40 - 50° C for 20 - 30 minutes.