

Technical - Information

AVCO-ELASTOGUM SFM 8004

SILICONE MACRO-EMULSION FOR SOFTENING EFFECT

AVCO-ELASTOGUM SFM 8004 is an macro emulsion of a reactive aminomodified silicone fluid. AVCO-ELASTOGUM SFM 8004 imparts a very soft, drappable, and elastic handfeel to a wide range of fiber materials such as cotton, polyester, viscose and their mixtures.

SPECIFICATION:

Appearance	Milky-white liquid.
Chemical nature	Amino-modified silicone emulsion in water.
Ionic character	Nonionic.
pH (as is)	6 - 7
Solubility	Miscible with water at any proportion.
Compatibility	1. Good with cationics and nonionics. 2. Compatibility with anionic products (eg.optical brighteners). Should be tested in Lab before use.
Storage	Stable for at least 6 months if properly stored and protected against direct sun.

PROPERTIES & USES:

1. AVCO-ELASTOGUM SFM 8004 is a macro-emulsion which is covering the fibre's surface and imparts very soft drappable and elastic hand feel to woven and knitted fabrics.
2. AVCO-ELASTOGUM SFM 8004 improves the wash and wear properties and the crease recovery angle, sewability, tear strength and reduces abrasion.
3. The effect resist washing and dry cleaning.
4. AVCO-ELASTOGUM SFM 8004 has very little effect on the degree of whiteness.
5. AVCO-ELASTOGUM SFM 8004 does not adversely affect the shade or color fastness of colored articles.
6. Can be used as is or in combination with other finishes such as nonionic and cationic softeners and resins.

APPLICATION:

1. Before adding to finishing bath check compatibility of product with all other ingredients of the bath.
2. If needed, predilute the product with cold water (1:1) before adding to finishing bath.
3. For application by padding use the following procedure:

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- a. Add water.
- b. Adjust pH to 5 - 6 with acetic acid.
- c. Add AVCO-ELASTOGUM SFM 8004.
- d. Add other finishing ingredients.
- e. Pad and dry.

AVCO-ELASTOGUM SFM 8004 doesnot need any catalysts in treating process.

Dosing recommendation:

Apply 10 – 30 gr/l in the finishing bath according to the desired finishing effect.

STORAGE STABILITY:

AVCO-ELASTOGUM SFM 8004 has a shelf life of at least 6 months if stored in originally sealed containers at 35°C and protected against direct sun. Expired date is after 6 months from the manufacturing date is shown on the product label.

If stored open, in partially empty containers or exposed to direct sunlight (with water condensation on the container surface) ,an elevated concentration may occur at the surface, with the formation of a viscous milky-to transparent creamy gel.

Such creaming is not a sign of emulsion instability, but its high viscosity may cause problems during operation. Therefore, emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

If necessary extremely viscous, poorly dispersed gel particles are removed by filtering before using.

Storage beyond the expired date does not necessarily mean that the product is no longer usable. In this case however, the product should be thoroughly agitated and the properties required for the intended use must be checked for quality assurance reasons.