

## AVCO-ELASTOGUM 3640

*SILICONE MACRO-EMULSION FOR ELASTIC AND SOFTENING EFFECT*

AVCO-ELASTOGUM 3640 is an emulsion of a reactive aminommodified silicone fluid.

AVCO-ELASTOGUM 3640 produces very soft, drappable and elastic hand feel to a wide ange of fiber materials such as cotton, polyester, viscose and their mixtures.

AVCO-ELASTOGUM 3640 is used in padding process.

### SPECIFICATION:

|                        |  |
|------------------------|--|
| <b>Appearance</b>      | Opaque or milky-white liquid   |
| <b>Chemical nature</b> | Amino functional silicone emulsion in water  |
| <b>pH (as is)</b>      | 6 - 7  |
| <b>Ionic nature</b>    | Weak cationic  |
| <b>Solubility</b>      | Miscible with water at any ratio.  |
| <b>Compatibility</b>   | a. Good with cationics and nonionics<br>b. Compatibility with anionic products (eg. optical brighteners) should be tested in lab before use. |
| <b>Storage</b>         | Shelf life is at least 3 months.   |

### PROPERTIES & USES:

1. AVCO-ELASTOGUM 3640 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 3640 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 3640 has very little effect on the degree of whiteness.
5. AVCO-ELASTOGUM 3640 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:**

AVCO-ELASTOGUM 3640 can be used as main softening product or additional product to get better result.

### **1. Padding process:**

- a. Add water.
- b. Adjust pH to 5-6 with acetic acid.
- c. Add AVCO-ELASTOGUM 3640.
- d. Add other finishing ingredients.
- e. Pad and dry.

### **2. Dosage:**

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