

AVCO- ELASTOGUM RD-68

ELASTOMERIC FINISHING PREPARATION

AVCO-ELASTOGUM RD-68 produces very-soft, elastic and silky handle, which is very desirable by textile consumers.

AVCO-ELASTOGUM RD-68 is an elastomeric polymer preparation with a build-in reactive functional end-groups. The polymer bonds to the textile fibers into a three dimensional elastomeric structure. AVCO-ELASTOGUM RD-68 is designed to provide high grade softness along with stretchy finish and bounciness to textile fabrics.

AVCO-ELASTOGUM RD-68 is highly recommended for elastomeric finishing of textile knits and enable the fabrics and garments recover to the original shape after stretching.

SPECIFICATION:

Appearance	Opaque, colorless liquid
Chemical nature	Aqueous emulsion of linear polyether blocked silicone.
Ionic character	Nonionic, becomes weak cationic in acidic medium
pH (as is)	4.0 – 5.0
Solubility	Miscible with water at any proportion
Stability to hard water	Good
Compatibility	Incompatible with anionic products
Storage	Stable for at least 1 year if properly stored. do not store in direct sun. Sensitive to frost

PROPERTIES & USES:

1. AVCO-ELASTOGUM RD-68 is a polymer emulsion which is covering the fibers surface, and imparts smooth and soft handle along with good elasticity and shape recovery of the finished fabrics.
2. AVCO-ELASTOGUM RD-68 lowers pilling and abrasion of textile fabrics.
3. AVCO-ELASTOGUM RD-68 improves the handle and the smoothness of fabrics finished with "wash and wear" resins.
4. AVCO-ELASTOGUM RD-68 improves sew-ability of the treated fabrics.

Technical – Information

5. Improves elastic recovery of knitted goods.
6. AVCO-ELASTOGUM RD-68 imparts top grade softening effect to cotton, polyamide, polyester and polyester cotton knits along with enhanced elasticity.
7. AVCO-ELASTOGUM RD-68 is used for imparting special drape, bounciness and elasticity to polyester and polyamide fabrics. Excellent results can be obtained with knits made from synthetic micro-fibers.
8. AVCO-ELASTOGUM RD-68 is applied by padding and by exhaustion.

APPLICATION:

1. Before adding to the finishing bath, check the compatibility of the product with all the other ingredients

Pre-dilute AVCO-ELASTOGUM RD-68 with cold water before adding to finishing bath.

2. Following is the recommended dosage:

AVCO-ELASTOGUM RD-68 10-60gr/l or 1 - 6% owf.

3. **For application by exhaustion use the following procedure:**

- a. Add water.
- b. Adjust pH to 5-6
- c. Add AVCO-ELASTOGUM RD-68.
- d. Treat at 40°C for 20 – 30 minutes.
- e. Extract and dry at 120- 140°C.

4. **For application by padding use the following procedure:**

- a. Add water.
- b. Adjust pH to 5-6
- c. Add AVCO-ELASTOGUM RD-68.
- d. Add other finishing ingredients.
- e. Pad and dry at 120- 140°C.

6. **Strip off for redyeing:**

Treat the fabric or garment at 90-98°C, 60 mins with below formula:

+ Avcopal VIC: 5 g/l

+ Soda ash: 5 g/l

1 warm wash and 1 cold wash, then redye.

Notice: Because Elastogum RD-68 is weak cationic. So after fixation with anionic polymer, fabric or garment need to be washed again with water to eliminate the unfixed polymer before finishing with Elastogum RD-68.