AVCO-ELASTOSIL 3920

HIGH CONCENTRATED AMINO SILICONE ELASTOMER

AVCO-ELASTOSIL 3920 is a micro-emulsion of amino-modified silicone elastomer, used for softerning textiles.
AVCO-ELASTOSIL 3920 is used for receiving special finishing effects on all kinds of textiles. When there is a need for durable elasticity, softness, lubricity, sew-ability, smoothness and shine finish. AVCO-ELASTOSIL 3920 is the best choice.
AVCO-ELASTOSIL 3920 can be applied by padding or by exhaustion.

SPECIFICATION:

Appearance	Clear emulsion.
Chemical nature	Poly-aminosiloxane micro emulsion.
pH (as is)	5.5 ± 1
Ionic nature	Weak cationic
Solubility	Miscible with water at any ratio.
Compatibility	a. Good with cationics and nonionics b. Compatibility with anionic products should be tested in lab before use. c. Stable at neutral and acidic conditions
Storage	Shelf life is at least 6 months.

PROPERTIES & USES:

1. Imparts smooth, soft handle, very good for OE-fabrics and the fabric made from rayon, visco
2. Finishing with AVCO-ELASTOSIL 3920 is permanent and stable to repeated washing. No need of any thermal fixation apart of drying.
3. AVCO-ELASTOSIL 3920 improves resistance to pilling and abrasion of textile fabrics.
4. AVCO-ELASTOSIL 3920 improves hand of fabrics finished with "wash and wear" resins. Can be applied with resins in the same bath.

5. AVCO-ELASTOSIL 3920 improves sew-ability of treated fabrics.

6. Improves elastic recovery of knitted goods.

7. Can be used as is or in combination with other softeners.

8. Excellent suitability for high speed padding application. The rollers of the padding machine can be cleaned very easily without any rubbery residues on the metal surface.

APPLICATION:

AVCO-ELASTOSIL 3920 can be used as a pure finish or as a modifier to other softeners and finishing agents.

1. Padding method:
   AVCO-ELASTOSIL 3920: 10 – 50 g/l
   Adjust pH 5 – 6 by acetic acid (0.5 – 1.0 g/l)
   Dry at 150 – 170ºC.

2. Exhaustion:
   AVCO-ELASTOSIL 3920: 1 – 5 %
   Adjust pH 5 – 6 by acetic acid (0.5 – 1.0 g/l)
   Treat at 40ºC, 20 – 30 minutes