



ARO AUX - SILICONE SOFTNER

DESCRIPTION:

ARO AUX SILICONE SOFTNER is composition Polysiloxane compound, non-ionic/weakly cationic. It can be used versatile Macro silicone for surface feel.

PROPERTIES:

- ❖ **PRODUCT** : polysiloxane compound.
- ❖ **APPEARANCE** : Clear whitish liquid (macro emulsion)
- ❖ **PH** : 5.0 -6.0
- ❖ **NATURE** : Non-ionic / weakly cationic.
- ❖ **COMPATIBILITY** : Resistant to hard water and easily dilatable with cold water in any ratio.
- ❖ **SPECIFIC GRAVITY** : 20°C ca. 1.0 g/cm₃

FEATURES:

- ❖ Gives high surface softness with supple handle
- ❖ Increases the resilience significantly
- ❖ Improves crease recovery and self-smoothing properties
- ❖ Low tendency to yellowing even at high drying/curing temperatures
- ❖ Excellent durability to washing
- ❖ Application in slightly acid medium
- ❖ Not compatible with alkalis
- ❖ Resistant to electrolytes, compatible with resin finishing agents
- ❖ Suitable for the padding or exhaust method (not jet-stable)

APPLICATION:

FOR Padding

20 – 40 g/l **ARO SILICONE SOFTNER**

Liquor pick-up 60-80%

Drying Temperature: 130-150°C

Exhaust Method

0.5 – 2 % **ARO SILICONE SOFTNER**(W.O.F)

PH: 4.5 – 5.5 (acetic)

Time: 20 min & Temperature : 40°C

Drying Temperature: 130-150°C

NOTE : The product is not suitable for applications in machines with high shear forces(Jet dyeing machine) Run compatibility tests before using **ARO SILICONE SOFTNER** with other finishing agents (combination recipes).

PROCESS:

- ❖ It is used for finishing woven or knitted garments, for which an especially soft surface, resilient handle is required. Suitable for resin finishing.
- ❖ It is preferably applied in can be used by the exhaust and padding method in machines with low liquor turbulence. It is not jet-stable.
- ❖ In principle, when using silicone softeners, scour, rinse and acidify the fabric thoroughly after pretreatment to remove residual substances (anionic substances, size, etc.), which may cause liquor instabilities.
- ❖ Dilute it with cold water and use it in a weakly acid medium. Adjust the pH value of the liquor with monobasic acids (eg acetic acid. do **not** use formic acid) to 4.5 - 5.5. Avoid applications in alkaline medium. Residual alkali on the fabric or alkaline plant water may significantly destabilize the liquor and cause silicone precipitations.

STORAGE:

- ❖ If stored below 0 °C, the product may solidify and/or change its consistency. After heating to 20 - 25 °C and thorough mixing, the product can be used again without any problems.
- ❖ The product is sensitive to heat and must not be stored at temperatures above 40 °C. Irreparable damage is possible. If stored too warm, the usability of the product has to be checked before processing.
- ❖ In the case of prolonged storage, the product may more or less yellow. This is due to raw material fluctuations and cannot be influenced by production technique. However, the degree of whiteness and other properties of the finished textile will not be affected.

