



Gammacolor s.r.l.
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Associazione Tessile e Salute
Azienda associata

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GAMMASILIKON SI

Silicone softener for natural, artificial and synthetic fibers.

Appearance: Fluid whitish emulsion.

Ionic charge: not ionic.

pH solu. 1%: weakly acid.

Solubility: easily dilutable in cold or warm water in all proportions.

Compatibility: compatible with surfactants of any ionic charge and with most of finishing products

Resistance: resistant to acids, alkalis, hard water, chlorite to normal concentration of use. it can be used with acid acrylic resins, natural and synthetic thickeners, emulsions of synthetic resins and adhesive compounds. does not yellow at high temperatures.

Foaming power: none.

Note: it is a non-ionic emulsion of a particular silicone oil with softening effect. besides softening they favor the wearability of fabrics, decreasing the fabric / metal friction.

On yarns, it decreases their friction against metals and wire against wire. Gammasilikon SI is not substantive.

Methods and doses of use:

the application can be both in acidic and weakly alkaline environment; at the end, it is advisable to treat the goods at 40 ° C for 20-30 'at pH 5.5 with acetic acid.

1) Fabrics

Padding and baths set up with normal finishing products, or alone, depending on the desired effect; we recommend: 5-30 g / l Gammasilikon SI

2) Yarns

Its application is on winders equipped with a tray and paraffining rollers . You can use the Gammasilikon SI as such or diluted. The amount applied (0.5 - 4%), can be adjusted either through the dilution that through the peripheral speed of the conveyor rollers.

3) Sewing threads

The Gammasilikon SI leads to low fiber / metal frictions favoring high speeds.

4) Yarns for making up



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Having low and constant supply tension, they are obtained making up of better appearance and dimensionally more stable.

5) Weaving yarns

Applied on warps, the product gives elasticity, smoothness and antistaticity, favoring yields and decreasing the fur formation.

It can be applied for:

a) waxing: we recommend a bath set up with 50% of the product and 50% of one of our specific products.

b) sizing: we recommend 30-50 g / l of product per liter of size.

Storage: it must be kept in well-closed drums, protected from frost or from excessive heat that could damage it irreversibly.

Keywords: softener, hydrophilic, microemulsion, hydrophilicity, silicone, waxing, sizing, size

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