



Biosoft SM

TECHNICAL INFORMATION

Biosoft SM is a nonionic semi-macroemulsion of a reactive, aminofunctional silicone fluid.

APPLICATIONS

- **Biosoft SM** is particularly suitable as softener for the impregnation of fibers and textiles.
- **Biosoft SM** imparts a very soft, drapable, and elastic touch to woven and knitted fabrics.
- **Biosoft SM** improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning.
- **Biosoft SM** has very little effect on the degree of whiteness when usual application conditions are adhered to. Generally, no adverse effect on the shade or colour fastness properties of coloured goods is observed.
- As part of formulations used as fill fibre finish **Biosoft SM** imparts excellent slickness and resilience to the fibre.

PHYSICAL PROPERTIES

| | | |
|---------------|---|--------------------|
| Appearance | : | Milky white liquid |
| Solid content | : | Approx. 37 - 40% |
| pH value | : | Approx.5 |

PROCESSING

Biosoft SM gives permanent effects even without the addition of a catalyst. Specific curing conditions need not be adhered to, if no resins are used.

Biosoft SM can be applied by padding method, but the finishing liquors should not be subjected to high shear, as this might cause instability.

5 - 30 g/l **Biosoft SM** are recommended for the pad method.

Biosoft SM can be applied either alone or together with resins and other finishing agents. Higher crease recovery angles and lower abrasion values can be obtained in resin finishes by using **Biosoft SM**. A wide range of touches can be obtained by combining **Biosoft SM** with conventional softening agents and other additives such as fillers based on polyacrylate.

TYPICAL RECIPES

Woven and knitted materials from synthetic fibres

0.5 ml/l Acetic acid 60 %

10 - 30 g/l **Biosoft SM**

pad, liquor pick-up about 50 %

dry at about 130 °C

STORAGE

Biosoft SM has a shelf life of at least 6 months when stored at 25 °C in the tightly closed original container.

Emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

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