

Water repellent softener SG-680

SG-680 is a silicone-modified emulsion. Imparts fabrics with soft, smooth, elastic, and full and fluffy hand feel. SG-680 can generate crosslinking reaction with fibers and provide a durable softening effect with washing resistance. It can present extraordinary hand feels on Nylon, Poly, and other mixture textiles. While using with fluorine, FC-free, and silicone-based water repellent agent, SG-680 can keep the original water repellent level, even enhance the fastness to washing.

Physical Properties

- Appearance : milky white liquid
- Component : Silicone emulsion of denaturation
- Solid Content: $30 \pm 1\%$
- PH value : weak acid
- Iconicity : weak cation
- Solubility : soluble in water

Characteristics

- SG-680 can use with water repellent agent and keep original water repellent effect.
- SG-680 can prevent the color changed on pure-white and bright-colored textile by softening process.
- It can prevent yarn pilling and fiber slippage.
- Imparts soft, luxury hand feels to wool, silk, cotton based knit and woven fabrics.
- SG-680 has no general yellowing problem in heating condition which degraded the water repellent effect.
- It has good anti-crease, backward elasticity, compress elasticity, tensile recovery, and sewing ability. It can be modified into various hand feels.
- SG-680 has good wash durability and keeps original soft hand feels. It has good compatibility with resin.
- The emulsion is stable for storage.

Application

- General dosage:
 - Using alone in dip method: 1~2%
 - Using alone in padding method: 1~3%
 - Using with fluorine-based water repellent agent:
 - WR agent: SG-680 = 1: 0.25
 - . Application for durable soft hand feels.
Dipping (10 sec) →rolling (65%) →drying (105 °C × 1 ~ 2min) → heating (170 °C × 30 sec)
 - The dosage can be adjusted based on the actual requirement.

Package

120Kg / Drum

LIMITED WARRANTY INFORMATION – PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
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- Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.
- We disclaim any responsibility for any dispute regarding product quality between agent and end user.
- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

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