

StarSoft C-1011

Super Soft & Excellent Stable Concentrate

Product Description

StarSoft C-1011 is a super soft & excellent stable textile softener. It is comprised of revolutionary silicone molecules to deliver voluminous and silky hand feels to fabric. It provides hydrophilicity to most types of textile fiber or fabric at lower use level than other silicone softeners. It is very stable in ordinary textile finish process without causing oil spots.

StarSoft C-1011 has quaternary function group that can enhance superior affinity and durability to most types of textiles compared to conventional hydrophilic and amino silicone softeners.

StarSoft C-1011 is able not only to spread on the fiber surface to deliver unusually full and rich hand-feels, but also to deeply penetrate into the interior of natural fibers to modify each single fiber & make the fabric premium.

StarSoft C-1011 is a concentrate softener that can be diluted to any grades. As it is water-dispersible & pourable, it can be straightly used in textile mills by padding and exhaustion that require outstanding shear stability to avoid finish process trouble such as oil spotting on fabrics.

Features & Advantages

- ◆ Water dispersible concentrate;
- ◆ Ready to use or Readily diluted to any grades without additional emulsifiers;
- ◆ Very stable in ordinary textile finish process. Hence non or less oil-spots;
- ◆ Bulky and silky softness as opposed to a greasy feels;
- ◆ Excellent affinity on all types of textile;
- ◆ Excellent fiber elasticity and shape recovery;
- ◆ Durable softness to laundering;
- ◆ Less fabric yellowing;
- ◆ Good hydrophilicity;
- ◆ Outstandingly exhaustible to particularly natural fibers.
- ◆ Re-dyeable & over dyeable.

SPE Chemicals

Applications

StarSoft C-1011 can be used for all types of fabric but the performance is maximized when applying to the different fabrics below:

- ◆ Cotton and cotton blended knits and woven;
- ◆ Cotton denim and corduroy;
- ◆ Cotton/Spandex blended fabric;
- ◆ Wool and wool blended knits and woven;
- ◆ Viscose rayon, CVC and acetate woven;
- ◆ Polyester woven

Typical Properties

Property	Value
Physical Form	Liquid state
Appearance	Transparent
Solid Contents	~50%
Viscosity (25°C)	<2,000 cst
pH (25°C)	5.0-7.0
Flash Point	>100°C
Diluents	Water
Ionic	Slightly cationic

Instructions for Use

Since StarSoft C-1011 is readily diluted with water, no additional emulsifying process is required. It can be straightly applied in textile finish process.

StarSoft C-1011 can be used as received or pre-diluted with water before applying. Optimum treatments such as dosages are dependent on the required softness of the fabric and yarn after dyeing and rinsing.

1. Pad-dry-cure process

Dosage	:	5~10g/l for light fabric or 10~20g/l for heavy fabric
pH	:	5.0 ~ 7.0
Temp.	:	Ambient temperature
Dry/Cure	:	120 ~ 170 °C for 1~3 min

2. Exhaustion process

Dosage	:	0.5~ 1.0% on the weight of fabric
Liquor ratio	:	$1/10 \sim 1/20$
pH	:	5.0 ~ 7.0

It is assured that users of our products will themselves determine the suitability of these products for their own particular purpose, and it is stressed that the information given herein are suggestions for user's guidance only, and are not intended as recommendations, neither are any of the statements made to be construed as recommendations for the infringement of any patent.

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Temp. : Ambient temperature
Time : 20 ~ 30 min
Drying : 100 ~ 130 °C for 3~5 min

3. Garment washing process

Dosage : 0.5~1.0% on the weight of garment
Time : 20 ~ 30 min
Drying : 100 ~ 130 °C for 3~5 min

Storage and Handling

To ensure that the product quality is maintained, please check expired date and try to use up before expired date. During storage, the container should be tightly sealed when not in use. Store at normal room temperature, and prevent prolonged exposure to extreme heat or freezing conditions, which may cause product separation. If separation does occur, thaw if frozen, stir the contents, and use in the normal manner.