

StarSoft C-1012

Natural Hand feel & Excellent Stable

Product Description

StarSoft C-1012 is a super soft & excellent stable textile softener. It contains a revolutionary silicone molecule to deliver voluminous and silky hand feels. 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 on fabric.

StarSoft C-1012 can enhance superior affinity and durability of conventional hydrophilic and amino silicone softeners to most types of textiles.

StarSoft C-1012 is able not only to coat the fiber surface to deliver unusually full and rich hand-feels, but also to deeply & homogeneously penetrate into the interior of natural fibers to modify each single fiber to make the fabric premium.

StarSoft C-1012 is water-dispersible, 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 and Advantages

- ◆ Water dispersible microemulsion;
- ◆ Readily diluted to any grade without additional emulsifies;
- ◆ Very stable & non oil-spots if used in ordinary textile finish process;
- ◆ Bulky and silky softness as opposed to a greasy feels;
- ◆ Excellent affinity with 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;
- ◆ Redyeable & over dyeable.

Applications

StarSoft C-1012 can be used for all types of fabric but the performance can be maximized when applying to the fabrics below.

SPE Chemicals

- ◆ 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	~32%
Viscosity (25°C)	<200 cst
pH (25°C)	5.0-7.0
Flash Point	>100°C
Diluents	Water
Ionic	Slightly cationic

Instructions for Use

Since StarSoft C-1012 can be readily diluted in water, no additional emulsifying is required to straightly apply in textile finish process.

StarSoft C-1012 can be used as received or pre-diluted with water before applying. Optimum treatments are dependent on the required softness of the fabric and yarn after dyeing and rinsing.

1. Pad-dry-cure process

Dosage	:	10~20g/l for light fabric or 25-40g/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	:	1.0 ~ 2.0% on the weight of fabric
Liquor ratio	:	$1/10 \sim 1/20$
pH	:	5.0 ~ 7.0
Temp.	:	Ambient temperature
Time	:	10 ~ 30 min
Drying	:	100 ~ 130 °C for 3~5 min

3. Garment washing process

Dosage	:	1.0~3.0% on the weight of garment
Temp.	:	Ambient temperature

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.

SPE Chemicals

Time : 10 ~ 30 min
Drying : 100 ~ 130 °C for 3~5 min

Handling and Safety

When considering the use of products in specific application, you should review our latest Material Safety Data Sheets and ensure that the use you intend can be accomplished safely.

Storage and Handling

To ensure that the product quality is maintained, 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. Please use up before the expired date.