



Technical Data Sheet

TEXOSIL HP CONC

Hydrophilic silicone fabric softener with super soft handle and ideal stability

Product Description

Texosil HP Conc 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 fabrics even at lower use level than other silicone softeners. It is very stable in ordinary textile finish process without causing oil spots.

Texosil HP Conc has an innovative quaternary function group that can enhance superior affinity and durability to most types of textiles compared to conventional hydrophilic and amino silicone softeners.

Texosil HP Conc 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.

Texosil HP Conc is a concentrated softener that can be diluted to any grades. As it is very easily water-dispersible & pourable, it can be straightly used in textile mills by padding and exhaustion. It can meet the requirement of outstanding shear stability to avoid the problem during finishing 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 no 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;
- › Non yellowing;
- › Good hydrophilicity;
- › Outstandingly exhaustible to particularly natural fibers.
- › Re dye-able & over dye-able.

Application

Texosil HP Conc 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	Transparent
Appearance	Haze
Solid Constants	40% \pm 2%
pH (25°C)	5.0-7.0
Flash Point	>100°C
Diluents	Water
Ionic	Nonionic

Instructions for Use

Since **Texosil HP Conc** is readily diluted with water, no additional emulsifying process is required. It can be directly applied in textile finish process.

Texosil HP Conc 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 : 1.0 ~ 2.0% on the weight of fabric

Liquor ratio : 1/10 ~ 1/20

pH : 5.0 ~ 7.0

Temp. : Ambient temperature

Time : 20 ~ 30 min

Drying : 100 ~ 130 °C for 3~5 min

3. Garment washing process

Dosage : 1.0 ~ 2.0% on the weight of garment



Time : 20 ~ 30 min

Drying : 100 ~ 130 °C for 3~5 min

Availability

Texosil HP Conc is supplied from Transfer Chemicals. It can be ordered through Transfer Sales office. The usual packing size is 120 Kgs.