

# POWSIL™-59185

## *Soft Feel & Hydrophilic Textile Softener*

### INTRODUCTION

POWSIL-59185 is a super soft and excellent stable textile softener specially designed with nano structure and high penetration. It contains a revolutionary silicone molecule that deliver a hydrophilic, voluminous and silky natural hand feel to most types of fabrics at a lower use level than traditional silicone softeners. It is very stable in ordinary textile finish process without causing oil-spots on fabric.

### BENEFITS

- ☐ Provides super internal softness attributed by Nano structure and super penetration;
- ☐ Provides fast and consistent water absorption on various fabric;
- ☐ Water dispersible nano-emulsion;
- ☐ Readily diluted to any grade without additional emulsifiers;
- ☐ Very stable and non oil-spots if used in ordinary textile finish process;
- ☐ Excellent affinity with all types of textile;
- ☐ Excellent fiber elasticity and shape recovery;
- ☐ Durable softness to laundering;
- ☐ Less fabric yellowing;
- ☐ Outstandingly exhaustible to particularly natural fibers;
- ☐ Re-dyeable and over dyeable.

### TYPICAL PHYSICAL PROPERTIES

Property	Value
Physical Form	Liquid
Appearance	Transparent with bluish
Solid Contents (wt%)	21.0~23.0
Viscosity (25°C,cps)	<25 cst
pH (25°C)	4.0~6.0
Flash Point (°C)	>100
Diluents	Water
Gravity (25°C)	0.993
Ionic	Slightly cationic

### APPLICATION

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POWSIL-59185 can be readily diluted in water, no additional emulsifying is required to straightly apply in textile finish process.

POWSIL-59185 can be used as received or pre-diluted with water before applying. The desirable usages are dependent on the required softness of the fabric and yarn after dyeing and finishing..

### 1. Pad-dry-cure process

Dosage:	20~40g/l for light fabric or 30-50g/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:	2.0-4.0% (o.w.f.) on light fabric & 3.0-5.0% on heavy fabric
Liquor ratio:	1/10 -1/20
pH:	5.0-7.0
Temp.:	Ambient temperature
Time:	10-30 min
Spinning & Drying:	100-170°C for 1-3 min

### 3. Garment washing process

Dosage:	2.0-5.0% on the weight of garment
Temp.:	Ambient temperature
Time:	30-60 min
Spinning & Drying:	100-130°C for 3-5 min

### Stripping:

POWSIL-59185 can be stripped off fabric. The stripping formulation is as follows:

NaOH:	5g/l
LABS(30%):	2-5%

Add water and NaOH onto fabric tank and then heat to 100°C for 60 min. Then rinse fabric with acidic water and water.

## PACKING AND STORAGE

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To ensure that the product quality is maintained, the container should be tightly sealed when not in use. It should be stored at normal room temperature, preventing prolonged exposure to extreme heat and cold conditions, which may cause product separation. POWSIL-59852 tends to be sediment on bottom during storage period. If the product is separated, stir the contents to homogeneous. If the product is frozen, thaw it at warm condition and stir after thawed.

POWSIL-59185 is packaged in net weight 50Kg plastic drum.

### NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).