

POWSIL™-59852

High Concentrate Softener

INTRODUCTION

POWSIL-59852 is an economic, soft and stable textile softener concentrate which contains revolutionary and new generation of silicone molecules that deliver a soft, voluminous and silky hand feel to various fabrics. Furthermore it provides hydrophilic property to most types of textile fabrics. It is very stable in textile finish process without causing oil-spots on fabric. Comparable with other finishing agents, It specially can be applied in same bath with wrinkle free finishing system and binders.

BENEFITS

- Very soft and hydrophilic softener;
- High concentrate and ready to use;
- Hydrophilic softener;
- Very stable in ordinary textile finish process;
- Can be applied in same bath with wrinkle-free finishing system and binders;
- Deeply penetrate into fibers to impart internal softness;
- Bulky and silky softness as opposed to a greasy feel;
- Excellent affinity to 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 to light yellowish
Solid Contents (wt%)	44.0~46.0
Viscosity (25°C,cps)	<5,00 cst
pH (25°C)	4.0~6.0
Flash Point (°C)	<96
Diluents	Water
Ionic	Weak cationic

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APPLICATION

POWSIL-59852 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 rinsing.

POWSIL-59852 can be diluted to any grades with water. To achieve the desired product of dilution, it is advised to first mix POWSIL-59852 and water in 1:1 ratio and then start to stir. Thereafter, add the rest of water required to achieve the final dilution and continue to stir. A clear microemulsion should be obtained.

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

Stripping:

POWSIL-59852 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

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with acidic water and water.

PACKING AND STORAGE

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-59852 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.