

POWSIL™-59110

Super Soft Silicone Softener

INTRODUCTION

POWSIL-59110 is a super soft textile softener. It contains a revolutionary & new generation of silicone molecule that delivers a voluminous and silky hand feel. Furthermore it provides hydrophilicity to most types of textile fibers or fabrics at a reduced use level than other silicone softeners. It is very stable in an ordinary textile finish process without causing oil-spots on fabric.

BENEFITS

- ☐ Able to disperse in water even when concentrated;
- ☐ Ready to use or readily diluted to any degree without additional emulsifiers;
- ☐ Stable in normal textile finish process;
- ☐ 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;
- ☐ Good hydrophilicity;
- ☐ Outstandingly exhaustible to particularly natural fibers;
- ☐ Re-dyeable & over dyeable.

TYPICAL PHYSICAL PROPERTIES

Physical Form	Liquid state
Appearance	Transparent, light yellowish
Solid Contents (wt%)	~50
Viscosity (25°C, cps)	< 1,500
pH (25°C) (1% in water)	4.0-6.0
Diluents	Water
Ionic	Slightly cationic

APPLICATION

POWSIL-59110 can be used as received or pre-diluted with water before applying. It is a MUST to stir the contents of POWSIL-59110 so that it is well homogenized in the drum

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before use.

The optimum treatments such as dosages are dependent on the required softness of the fabric and yarn after finishing. Typical applications are recommended as follows:

☐ 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

☐ 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

☐ 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

Guides of Stripping:

POWSIL-59110 can be stripped off fabric. The stripping formulation is as follows:

NaOH:	5 g/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 then pure water.

PACKING AND STORAGE

To ensure the product quality is maintained, the product should not be exposed to too hot or too cold condition. It is stable for 12 months when properly stored at 25°C. It is a MUST

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to stir the contents of POWSIL-59110 so that it is well homogenized in the drum before use.

The product is sensitive to temperature below -10°C and above 60°C. When it is separated, stir the contents well homogenized or add 2-5% of 20% acetic acid aqueous solution and stir for 30 min. If the product is frozen, thaw it at warm condition and stir after thawed. The container should be tightly sealed when not in use.

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.