

POWSIL™-99801

Economic Concentrate Softener

INTRODUCTION

POWSIL-99801 is a micro-emulsion of amino-modified silicone polymer which is used for softening textiles. It is widely used for all kinds of textile fabrics and imparts durable elasticity, softness, lubricity, sew-ability, smoothness and shine finish.

BENEFITS

- Stable micro-emulsion to provides excellent penetration;
- Low viscosity and ready to use;
- Imparts good affinity to various fabrics;
- Imparts remarkable slickness and softness to various fabrics;
- Imparts rebound or elastomeric property to various fabrics;
- Imparts low-yellowing to various fabrics;
- Provides the competitive cost-performance ratio.

TYPICAL PHYSICAL PROPERTIES

Appearance	Transparent with bluish liquid
D4	<250ppm
D5	<1000ppm
D6	<1000ppm
pH (25°C)	4.0-6.0
Flash Point (°C)	>90
Diluents	Water
Ionic	Nonionic to Slightly cationic

APPLICATION

POWSIL-99801 can be used as received or pre-diluted with water before applying.

The optimum dosage is dependent on the properties of untreated fabric and required hand feel of the fabric.

1. Pad-dry-cure process

Dosage: 10-20g/l for light fabric or 20-50g/l for heavy fabric

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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% (o.w.f.) on light fabric and 2.0-5.0% on heavy fabric
Liquor ratio:	1/5 -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:	1.0-3.0% on the weight of garment
Temp.:	Ambient temperature
Time:	30-60 min
Spinning & Drying:	100-130°C for 3-5 min

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-99801 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-99801 is packaged in net weight 50Kg or 120Kg 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.

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Please send all technical questions concerning quality and product safety to:
silanes@SiSiB.com.