

POWSIL™-50502

Hydrophilic Silicone Softener

INTRODUCTION

POWSIL-50502 is a high concentrated hydrophilic softener for textile. It is an epoxy-modified organic silicone emulsion, giving fabrics hydrophilic, soft and anti-static properties.

BENEFITS

- ☐ Giving fabrics soft, bulky, hydrophilic, well-ventilate and anti-static properties, especially for synthetic fabrics to prevent them from pilling;
- ☐ Belongs to nonionic, hydrophilic, high concentration, no demulsification or floating oil occurring;
- ☐ Easy to be diluted with water at any proportion, normally the proportion is 1:5 or 1:8;
- ☐ Excellent compatibility with other chemicals;
- ☐ Strong re-dyeable ability, it can be re-dyed directly without removing silicone oil, (it depends on operating condition in different dyeing factories);
- ☐ Low yellowing;
- ☐ It will not affect the anti-fouling effect when mixed with fluorinated anti-fouling agent in one bath;

TYPICAL PHYSICAL PROPERTIES

Property	Value
Physical Form	Liquid state
Appearance	Clear, pale & yellowish
Solid Contents (wt%)	Min. 95.0
Viscosity (25°C, cps)	<2300
pH (25°C)	6.0-8.0
Flash Point(°C, Open)	>100
Gravity(25°C)	0.89-1.089
Ionic	Nonionic

APPLICATION

POWSIL-50502 can be used for cotton, flax and polyester fabrics.

1. Pad-dry-cure process

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Dosage:	3~8g/L (the original emulsion)
Residual water proportion:	65 ~ 85
Dry/Cure:	160 °C for 1-2min

2. Exhaustion process

Dosage:	0.3-0.8% (o.w.f)
Liquor ratio:	1/10-1/20
Temp.:	Ambient temperature
Time:	15-30 min
Spinning & Drying:	160 °C for 1-2 min

3. Garment washing process

Dosage:	0.3-0.8% (o.w.f)
Liquor ratio:	1/10-1/20
Temp.:	Ambient temperature
Time:	15 ~ 30 min
Spinning & Drying:	160 °C for 1-2 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-50502 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.

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:
support@SiSiB.com.

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