

POWSIL™-59830

Super Silky & Hydrophilic Enhancer

INTRODUCTION

POWSIL-59830 is a super silky & hydrophilic enhancer which contains a revolutionary silicone molecule to provide a soft and silky feel. It provides fast & consistent hydrophilicity to most types of textile fiber or fabric at lower use level than other silicone softeners.

BENEFITS

- Provides super silky & soft touch;
- Provides fast & consistent water absorption on a wide range of fabrics;
- Offers higher water retention than normal hydrophilic softeners;
- 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;
- Redyeable & over dyeable.

TYPICAL PHYSICAL PROPERTIES

| Property | Value |
|------------------|--------------------------------|
| Physical Form | Liquid |
| Appearance | Transparent to light yellowish |
| Viscosity (25°C) | <300 mPa.s |
| pH (25°C) | 4.0-6.0 |
| Diluents | Water |
| Gravity (25°C) | 0.993 |
| Ionic | Slightly cationic |

APPLICATION

Since POWSIL-59830 can be easily diluted in water, no additional emulsification is required. It can be applied directly in the textile finish process.

POWSIL-59830 can be used as received or pre-diluted with water before applying. The optimum treatment depends on the required softness of the fabric and yarn after dyeing

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and finishing.

1. Pad-dry-cure process

| | |
|-----------|--|
| Dosage : | 20-40g/l for light fabric or 30-60g/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 |
| Time: | 10-30 min |
| Spinning & Drying: | 100-170°C for 1-3 min |

1. 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 |

Guides of Stripping :

POWSIL-59830 can be stripped off fabric. The stripping formulation is as follows:

| | |
|-----------------------------|------|
| NaOH: | 5g/L |
| LABS | 2-5% |
| (Alkylbenzylsulfonate,30%): | |

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

POWSIL-59830 is supplied 50Kg barrel. In the original unopened packaging, it has a shelf

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life of 12 months.

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.