

POWSIL™-59120

Hydrophilic Linear Copolymer Silicone Fluid

INTRODUCTION

POWSIL-59120 is a super soft and stable textile softener. It contains a revolutionary and new generation of silicone molecule that deliver a hydrophilic, voluminous and silky natural hand feel to most types of fabrics at a lower use level than traditional silicone softeners. It is very stable in an ordinary textile finish process without causing oil-spots on fabric. Especially it can be applied in same bath with wrinkle free finishings.

BENEFITS

- Super soft and hydrophilic softener;
- Ready to use or readily diluted to any degree without additional emulsifiers;
- Very stable in ordinary textile finish process;
- Can be applied in same bath with wrinkle free finishings;
- 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 and over dyeable.

TYPICAL PHYSICAL PROPERTIES

Property	Value
Physical Form	Liquid
Appearance	Colorless to yellowish liquid
Solid Contents (wt%)	30.0~32.0
pH (25°C)	4.0~6.0
Ionic	Weak cationic

APPLICATION

POWSIL-59120 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

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dyeing and rinsing.

1. Pad-dry-cure process

Dosage:	5-10 g/L for light fabric or 10-20 g/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
Duratio:	20-30 min
Drying:	100-130°C for 3-5 min

Stripping:

POWSIL-59120 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 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-59120 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.

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POWSIL-59120 is packaged in net weight 120Kg 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.

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