

POWSIL™-59162 PU Modified Silicone Softener

INTRODUCTION

POWSIL™-59162 is a textile softener based on advanced copolymer technology, providing a natural silk-like hand feel. It offers exceptional stability during the finishing process of various textiles, ensuring a smooth finish without causing oil spots on the fabric.

FEATURES & BENEFITS

- A reactive silicone polymer that can be further reacted with fabric or undergo self-polymerization to form an elastomeric film
- Provides high elastomeric properties and bulkiness to various fabrics
- Delivers durability and resistance, similar to the molecular weight of reactive elastomeric finishes
- Re-dyeable and over-dyeable

PHYSICAL PROPERTIES

Physical Form	Liquid
Appearance	Clear & light yellow
Solid Contents (wt%)	30%
Viscosity (25°C, cps)	Max.200
Flash Point (°C)	Min.100
pH (25°C)	4.0-6.0
Ionicity	Slightly cationic to nonionic

APPLICATIONS

POWSIL™-59162 can be readily diluted in water, no additional emulsifying is required. It can be directly applied in the textile finish process.

POWSIL™-59162 can be used as received or pre-diluted with water before applying. The Optimum usages are dependent on the required softness of the fabric and yarn after dyeing and rinsing.

APPLICATION GUIDE

The recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

□ Padding Process

Dosage:	10~20g/l for light fabric
	20- 50g/l for heavy fabric
pH:	5.0 ~ 7.0
Temp.:	Ambient temperature
Dry/Cure	120 ~ 170°C for 1~3 min

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□ Exhaustion Process

Dosage:	1.0 ~ 3.0% (o.w.f.) on light fabric
	3.0-6.0% on heavy fabric
Liquor ratio:	1/10 ~ 1/20
pH:	5.0 ~ 7.0
Temperature:	Ambient
Drying:	100 ~ 170°C for 1~3 min

□ Garment Washing

Dosage:	2.0 - 5.0% on the weight of garment
Temp.:	Ambient temperature
Time:	30 ~ 60 min
Drying:	Tumble drying

PACKING

POWSIL™-59162 is available in 120Kg drum or 1000Kg IBC container.

STORAGE

In the unopened original container POWSIL™-59162 has a shelf life of one year in a dry and cool place.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

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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