

POWSIL™-99889 Silicone Softener

INTRODUCTION

POWSIL™ 99889 is a block silicone softener designed for textile finishing applications. It imparts treated fabrics with a soft, bulky and silky handle while maintaining good hydrophilicity.

POWSIL™ 99889 exhibits excellent chemical stability and compatibility with common textile auxiliaries. It is particularly suitable for finishing processes of cotton and other cellulosic fabrics and can be used in heat-setting equipment as well as in dyeing machines.

FEATURES & BENEFITS

- Imparts fabrics with soft, bulky and silky handle
- Maintains good hydrophilicity
- Good fiber penetration for internal softness
- Low yellowing tendency, suitable for white or light-colored fabrics
- Excellent chemical stability and shear resistance
- Stable in finishing baths within pH 3–10
- Compatible with most textile auxiliaries

PHYSICAL PROPERTIES

Appearance	Yellowish transparent liquid
Viscosity (25°C, cps)	Max.500
pH (1% aqueous solution)	4.0-6.0
Solid content (%)	39.0-41.0
Ionicity	Weak cationic / non-ionic
Density (25°C, g/cm ³)	0.94-1.04
Solubility	Easily soluble in water

These values are typical and are not intended for use as specifications

APPLICATIONS

POWSIL™ 99889 is easily soluble in water and exhibits good fluidity, making it suitable for automatic dosing systems in textile finishing processes. It provides fabrics with a soft, bulky and smooth handle while maintaining good hydrophilicity.

APPLICATION GUIDE

POWSIL™ 99889 can be applied by padding or exhaustion finishing processes, depending on the fabric type and finishing conditions.

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Typical processing conditions are as follows.

☐ Padding Process

Dosage:	5-15g/L
Drying:	160°C x 1-2 min

☐ Exhaustion Process

Dosage:	0.5-1.5% (o.w.f)
Bath ratio:	1:10
Temperature:	Room temperature
Time:	15-30 min
Drying:	160°C x 1-2 min

When preparing the working bath, it is recommended to add other auxiliaries first and adjust the bath pH to 4.5–6.0 before adding POWSIL™ 99889.

Soft water is recommended for dilution to ensure formulation stability. If soft water is not available, compatibility testing should be carried out before preparation.

Diluted solutions should preferably be used shortly after preparation and should not be stored for extended periods.

Process parameters should be optimized according to preliminary trials.

PACKING

POWSIL™-99889 is supplied in 120Kg plastic drums.

STORAGE

Stored in unopened original unopened drums at room temperature and away from direct sunlight, POWSIL™-99889 has a shelf life of one year from the date of production. Keep containers tightly sealed when not in use.

Avoid prolonged exposure to extreme heat or freezing conditions, which may lead to product separation. If separation occurs, the product should not be used.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data

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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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