

ADDSiL™ 8190

Polyether Silicone Copolymer

INTRODUCTION

ADDSiL™ 8190 is 100% active polyether modified polydimethyl siloxane.

BENEFITS

- Textile and leather
 - 100% active.
 - Provides hydrophilicity of non-woven substrates.
 - Soluble in water and alcohol.
 - Improved hand feeling of treated non-woven
 - Good compatibility with PU.
- Paints, Inks and Coatings.
 - 100% active.
 - Improved slip and mar resistance.
 - Improved leveling.
 - Increased gloss.
 - Antiblocking.
 - Reduced orange peel

TYPICAL PHYSICAL PROPERTIES

Color and Appearance	Light yellow clear liquid
Active Ingredient	100%
Viscosity 25°C	1500~3000cst
Refractive Index 25°C	1.470~1.500

APPLICATION FIELDS

- Water and solvent borne paints, inks and coatings.
- Textile and leather

APPLICATION

- Textile and leather

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- ADDSiL™ 8190 can be used as PU stabilizer to obtain stable expanded coating, it is suitable for most non-woven substrates.
- ADDSiL™ 8190 can be used for non-woven substrates hydrophilic treatment.
- ADDSiL™ 8190 can be used as a leveling agent for solvent-based top finishing for leather.

- **Paints, Inks and Coatings.**
 - ADDSiL™ 8190 can be used as additive to provide slip, mar resistance and antiblocking in water and solvent borne paints, inks and coatings.
 - ADDSiL™ 8190 can improve levelling, reduce orange peel, increase gloss and provide a smooth, satin feel to the surface.
 - ADDSiL™ 8190 can prevent pinholing, cissing and fish eyes arising from poor wetting of contaminated or low energy substrates.

RECOMMENDED LEVELS

- **Textile and leather**

ADDSiL™ 8190 can be dissolved by adding water at room temperature with good agitation. The solution can then be applied to the non-woven substrate by padding or spraying, after the web structure has been formed.

A concentration of 0.5% silicone (by weight of substrate) is sufficient to achieve good hydrophilicity.

- **Paints, Inks and Coatings.**

The recommended dosage is 0.1~1.0% of the total formulations.

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

It is added during any stage of the production process including post-addition.

PACKING AND STORAGE

Separation or turbidity may occur at temperatures below 5°C. Warm to 20°C and mix well.

ADDSiL™ 8190 is supplied in 25Kg / 200Kg plastic drum or steel drum or according to customer's request.

In the original unopened packaging, ADDSiL™ 8190 has a shelf life of 24 months.

ADD*SiL*™ **8190**

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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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

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