

ADDSiL™ 8116 Polyether Silicone Copolymer

INTRODUCTION

ADDSiL™ 8116 is an ABA block polyether-modified polydimethylsiloxane. It is for solvent-borne coating systems with a medium reduction of surface tension.

PHYSICAL PROPERTIES

Color and Appearance	Light yellow transparent oily liquid
Active Ingredient	100%
Refractive Index _{25°C}	1.435~1.445
Viscosity _{25°C}	150~400cst
Cloud point (1.0% in water)	<10°C

BENEFITS

As a fabric coating additives:

- Improved abrasion resistance
- Anti-blocking agent
- Improved flow out of resinous coating

For fiber lubrication:

- Greater compatibility with organic lubricant components.

APPLICATIONS

- ADDSiL™ 8116 can be used as a wetting agent in organic lubricant formulations for synthetic fiber processing.
- ADDSiL™ 8116 can be added to organic components to improve surface properties.
- ADDSiL™ 8116 can be used as an additive in organic textile coatings, it imparts antiblocking and softness.
- ADDSiL™ 8116 also can improve the mar resistance of certain coatings.
- The endblocking glycol contains an active hydroxy group, which is reactive with organic polymers such as polyurethane.
- ADDSiL™ 8116 is chemically reacted in the network and increases the hydrolytic stability of the resin.
- ADDSiL™ 8116 can be used directly or diluted before addition. It is soluble in water and polar solvents. It disperses in hydrocarbons and oils.

RECOMMENDED DOSAGE

The recommended dosage is 0.05~1.0% of the total formulations for permanent hand feeling; 2~6% for anti-blocking and 1~6% for resin

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modification.

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

ADDSiL™ 8116 can be used as supplied or diluted before addition. It is soluble in water and polar solvents. It disperses in hydrocarbons and oils.

PACKING

ADDSiL™ 8116 is supplied in 25Kg / 200Kg plastic drum or steel drum or according to customer's request.

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.

STORAGE

In the original unopened packaging, ADDSiL™ 8116 has a shelf life of 24 months. When stored below 25°C, this product becomes hazy, and below 13°C, it becomes waxy. Warm to 25°C and mix well.

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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