

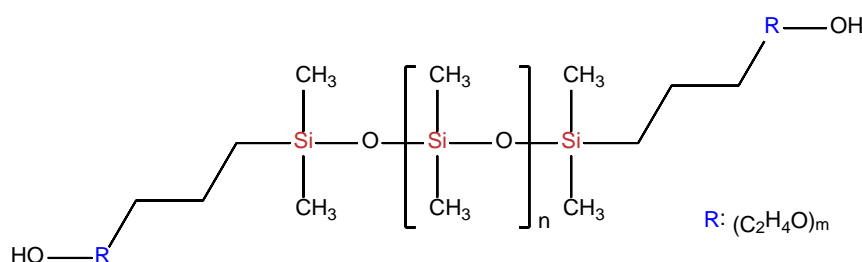
ADDSiL™ 2006 Polyurethane Resin Modifier

INTRODUCTION

ADDSiL™ 2006 is a hydroxyl-terminated polyether-modified polysiloxane compound. It has a highly reactive hydroxymethyl terminal functional group -CH₂OH, and its reactivity is much higher than that of ordinary hydroxyl silicone oils with Si-OH as the reactive functional group.

Through its reaction with isocyanate, silicone components can be introduced into polyurethane materials, thereby improving the flexibility, water resistance, slipperiness, weather resistance and other properties of polyurethane materials.

CHEMICAL STRUCTURE



PHYSICAL PROPERTIES

Appearance	Light yellow transparent liquid
Molecular Weight	Around 2200.
Content (%)	100

APPLICATIONS

Carbinol-functional polydimethylsiloxane ADDSiL™ 2006 can reduce surface tension, improve the wettability of release paper and substrates, and improve the leveling and anti-crater and pinhole properties of the resin.

ADDSiL™ 2006 can react to form polyurethanes, epoxies, polyesters, and phenolic resins.

ADDSiL™ 2006 can be used as additives in polyurethane leather finishes and reactive internal lubricants in melt spinning of polyester fibers. It can increase softness and provide smooth surface and smooth feel to PU synthetic leather.

ADDSiL™ 2006 are also used as surfactants and processing aids to disperse particles in silicone formulations.

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RECOMMENDED DOSAGE

The amount of addition depends on different requirements, 0.2-1% for hand feel improvement, 2-6% for anti-stick stains, and 1-6% for resin modification. It can be added at any stage of production and is suitable for water-based and oil-based systems.

PACKING

ADDSiL™ 2006 is supplied in net weight 25Kg metal pail.

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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