

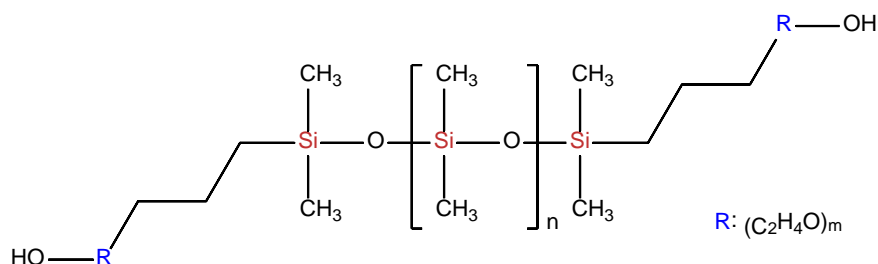
ADDSiL™ 2005 Polyurethane Resin Modifier

INTRODUCTION

ADDSiL™ 2005 is hydroxyalkyl-terminated silicone compound that has high reactive terminated functional group CH₂OH. That reactivity is higher than the Si-OH as the reaction functional group.

ADDSiL™ 2005 can bring silicone into the polyurethane materials to improve the flexibility, water resistance, smooth, weather resistance and so on the characters, through reacting with isocyanate.

CHEMICAL STRUCTURE



PHYSICAL PROPERTIES

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

APPLICATIONS

Carbinol-functional polydimethylsiloxane ADDSiL™ 2005 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™ 2005 can react to form polyurethanes, epoxies, polyesters, and phenolic resins.

ADDSiL™ 2005 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™ 2005 are also used as surfactants and processing aids to disperse particles in silicone formulations.

RECOMMENDED DOSAGE

The amount of addition depends on different requirements, 0.2-1% for hand

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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™ 2005 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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