

SiSiB® OF6057 Silanol Terminated Vinyl Silicone Fluid

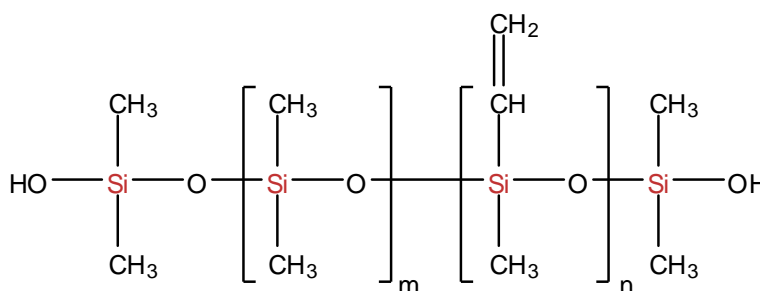
CHEMICAL NAME

Silanol terminated vinylmethylsiloxane-dimethylsiloxane copolymer

INTRODUCTION

SiSiB® OF6057 is a low-viscosity, hydroxyl-terminated methylvinyl silicone fluid. It is a linear copolymer composed of dimethylsiloxane and vinylmethylsiloxane units, terminated with reactive silanol (-SiOH) groups at both ends. The presence of vinyl groups in the polymer backbone provides sites for further crosslinking or chemical modification, while the silanol functionality allows for excellent reactivity in condensation cure systems or as a reactive intermediate in silicone elastomer and resin formulations.

CHEMICAL STRUCTURE



CAS NUMBER

67923-19-7

PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Active Content, %	100
Density 25°C	0.98
Viscosity 25°C, cSt	30-40
OH Content, wt %	8.0-10.0
Vinyl Content, wt %	2.3-2.7

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® OF6057 is widely used in silicone rubber compounding as a filler treatment agent and structure control additive, particularly in formulations containing fumed silica. Its low viscosity allows for excellent processability, promoting uniform mixing and efficient dispersion of fillers. It also helps to suppress crepe hardening during processing, thereby enhancing formulation stability and improving the mechanical performance of the final silicone

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elastomer.

PACKING

SiSiB® OF6057 fluid is supplied in 25Kg pail or 200Kg steel drum.

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, SiSiB® OF6057 fluid has a shelf life of 18 months in a dry and cool place.

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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