

## SiSiB® VF6970-600V8 Vinyl Fluoro Silicone Fluid

### CHEMICAL NAME

Vinyl-terminated dimethylsiloxane-methylvinylsiloxane-trifluoropropylmethylsiloxane copolymer

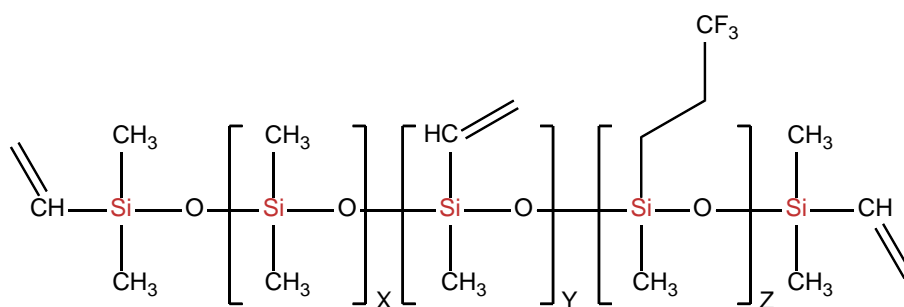
### INTRODUCTION

SiSiB® VF6970-600V8 is a vinyl-terminated dimethylsiloxane-methylvinylsiloxane-trifluoropropylmethylsiloxane copolymer designed for use in high-performance elastomers, sealants, coatings, and dielectric fluids. The presence of trifluoropropyl groups imparts excellent solvent resistance, chemical stability, and compatibility with organic systems. The vinyl functionality allows it to be cured via addition (platinum-catalyzed) or peroxide systems when blended with appropriate crosslinkers.

### KEY FEATURES

- Excellent solvent and fuel resistance
- Enhanced chemical and thermal stability
- Vinyl-reactive functionality for crosslinking
- Low permeability to gases and fluids
- Good compatibility with organic and fluorinated systems
- Wide temperature service range: -60°C to +250°C

### CHEMICAL STRUCTURE



### PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Boiling Point	>300°C
Flash Point	>260°C
Viscosity 25°C, cSt	600
Vinyl content, wt%	7.6
Volatile (200°C, 4h)	<5%

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### APPLICATIONS

SiSiB® VF6970-600V8 is used for defoaming agent, lubricating oil, and grease which can improve the corrosion resistance and solvent resistance. It is also used as an efficient defoaming agent and fabric finishing agent for spin printing and dyeing, which provides smaller surface tension, lower refractive index, and oil resistance and water resistance.

- Base polymer or reactive modifier in fluorosilicone rubbers and gels
- High-performance sealants, potting compounds, and adhesives
- Fuel- and solvent-resistant gaskets and O-rings
- Aerospace and automotive elastomer systems

### PACKING

SiSiB® VF6970-600V8 is supplied in 5Kg, 20Kg pails and 200Kg steel drums.

### 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® VF6970-600V8 has a shelf life of 24 months.

### 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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