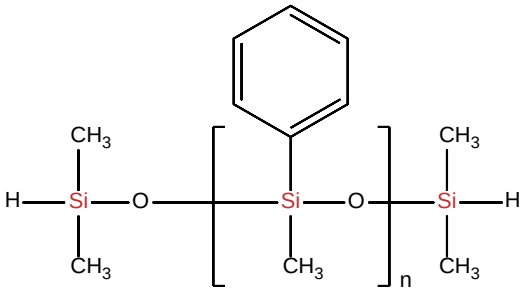
Sustainable Innovation for a Better Future

SiSiB® HF2082 Hydride Terminated Phenyl Silicone Fluid

INTRODUCTION

SiSiB® HF2082 is a hydride terminated phenyl silicone fluid; it is a colorless liquid. It has active hydride (Si-H) groups at the chain ends, combined with methyl and phenyl groups, to achieve a balance of flexibility, thermal stability, and chemical resistance.

CHEMICAL STRUCTURE



PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Refractive Index $_{25°C}$	1.540-1.545
Hydrogen Content	0.367%
Viscosity $_{25°C}$	50 cSt

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® HF2082 is primarily used as a crosslinker for addition-cured silicone elastomers, imparting superior properties to the end product, including strong aging resistance, excellent UV stability, and no yellowing even after extended use.

In the LED industry, SiSiB® HF2082 is commonly used for potting, bonding, and encapsulation. It is particularly valuable in the production of silicone encapsulation materials for high-power LEDs, as well as potting, sealing, bonding, and coatings for the optoelectronics, electronics, and microelectronics industries. It is also used to develop high-transparency, high-hardness lenses and other specialty applications.

PACKING

SiSiB® HF2082 is supplied in 20Kg plastic drum, 190Kg steel drum or 900Kg

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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® AF8250-15 has a shelf life of 24 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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