

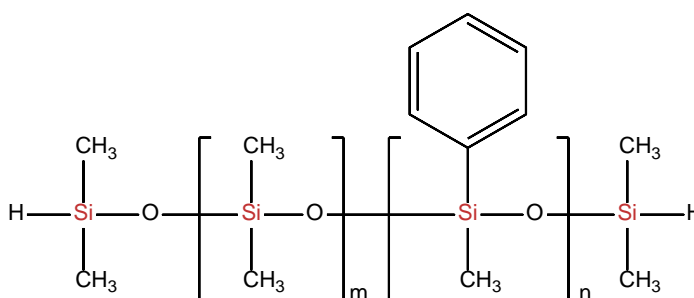
## INTRODUCTION

SiSiB® HF2080 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.

## COMPONENTS

Hydride Terminated Phenyl Silicone Fluid

## CHEMICAL STRUCTURE



## PHYSICAL PROPERTIES

Color and Appearance	Colorless clear liquid
Active Ingredient	100%
Specific Gravity <sup>25°C</sup>	1.00-1.01
Refractive Index <sup>25°C</sup>	1.50
Phenyl content	25%
Volatile Content	<1.0% [150°C, 3hrs]
Hydrogen Content	0.5%
Viscosity <sup>25°C</sup>	200 cSt

*These values are typical and not intended for specification purposes.*

## BENEFITS & APPLICATIONS

SiSiB® HF2080 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® HF2080 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,

**HANDLING & STORAGE**

high-hardness lenses and other specialty applications.

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

**PACKING**

SiSiB® HF2080 is supplied in 20Kg plastic drum, 190Kg steel drum or 900Kg IBC tote.

**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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.