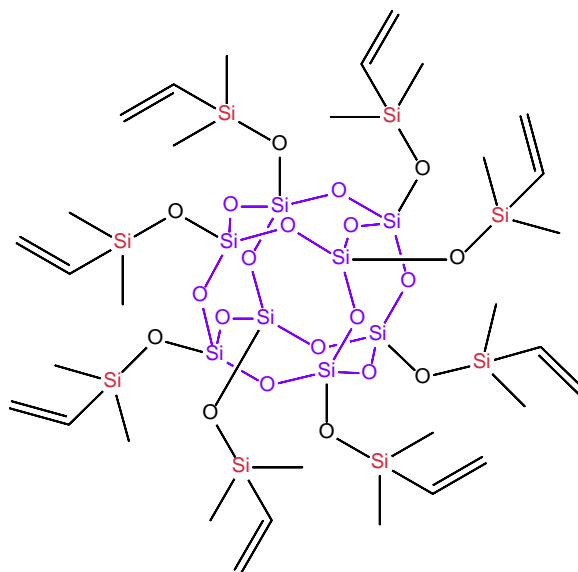


# SiSiB® POSS601 VINYL DIMETHYLSILOXYL POSS

**CHEMICAL NAME** Octakis(vinyldimethylsiloxy)silsesquioxane

**CHEMICAL STRUCTURE**



**INTRODUCTION**

SiSiB® POSS601 is an organo-inorganic hybrid cage-type polysilsesquioxane with a molecular size of 1.5nm. It can be used as a crosslinking agent in UV-curable resins and platinum-catalyzed hydrosilylation silicone systems to improve the wear resistance and hardness of products. It is also suitable for thermosetting silicone coatings and encapsulation materials.

**PHYSICAL PROPERTIES**

Formula	C <sub>32</sub> H <sub>27</sub> O <sub>20</sub> Si <sub>16</sub>
Molecular Weight	1226
Color and Appearance	White powder
Density (g/mL)	1.15
Content (%)	Min.98.0

Caution: Avoid contact with strong alkaline substances. Store in sealed condition to prevent moisture absorption.

*These values are typical and are not intended for use as specifications.*

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### APPLICATIONS

SiSiB® POSS601 can enhance wear resistance and hardness when used as a crosslinking agent in UV-curable resins and platinum-catalyzed hydrosilylation silicone systems.

SiSiB® POSS601 is suitable for liquid silicone rubber formulations.

SiSiB® POSS601 can be applied in thermosetting silicone coatings and encapsulation materials.

### PACKING

SiSiB® POSS601 is supplied in 10Kg fiber drum.

### STORAGE

In the unopened original container SiSiB® POSS601 has a shelf life of one year when stored in a sealed container at room temperature, away from strong alkaline substances and moisture.

### 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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