

## SiSiB® PC11272 Silicone Resin

**INCI NAME** Trimethylsiloxysilicate

**INTRODUCTION** SiSiB® PC11272 is a co-hydrolysis product of tetraalkoxy silane (Q unit) and trimethyl alkoxy silane (M unit). It is the kinetic reaction products of silicates with trimethyl siloxy groups which generate a silicon-based, cross-linked three-dimensional network.

SiSiB® PC11272 can be compounded with polydimethylsiloxanes or dissolved in appropriate solvents like aromatic and no-aromatic hydrocarbons or lower alcohols.

- ADVANTAGES**
- Excellent reinforcing effectiveness for silicone rubber.
  - Compatible with silicone and organic carriers.
  - Cures to give a durable film
  - Thermal stability up to 300°C
  - Good weatherability
  - Good electrical property
  - Water repellency

**PHYSICAL PROPERTIES**

Appearance	White powder
Viscosity, 60% in xylene @ 25°C	10~20 cSt
M:Q ratio	(0.8-1.0):1.0
Molecular Weight	7000~12500
OH content	Max.3.0%
Volatile @ 150°C, 2h	Max.1.5%

**BENEFITS & APPLICATIONS**

SiSiB® PC11272 can be used as reinforcing filler of silicone pressure sensitive adhesives.

SiSiB® PC11272 can be used as intermediate of protective coatings for scratch resistance, insulation resistance, etc.

SiSiB® PC11272 can be used as additives of releasing agents, deformers, releasing modifiers, etc.

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SiSiB® PC11272 can be used as treatment of granular materials for water repellency.

SiSiB® PC11272 can be used as additives of cosmetics, sunscreens and skin care products.

### PACKING

SiSiB® PC11272 is supplied in 25Kg fiber 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

When stored at temperatures between 10°C and 35°C in the original unopened containers, SiSiB® PC11272 has a shelf life of 12 months from the date of production.

### LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### 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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