

## SiSiB® PC16512 Silicone Elastomer Blend

**INCI NAME** Cyclopentasiloxane (and) Dimethicone Crosspolymer

**INTRODUCTION** SiSiB® PC16512 is a mixture of high molecular weight silicone elastomer in cyclomethicone which can be dispersed in oil phase excellently because it is a clear to slightly translucent gel. The product may be formulated into w/o emulsions, water-in-silicone oil, and o/w emulsions and anhydrous products to provide dry smoothness and a light silky skin, non-greasy feel.

- ADVANTAGES**
- Clear to slightly translucent crosslinked silicone elastomer gel
  - Suitable for many personal care formulations
  - Acts as a thickening agent for w/o and w/silicone oil formulations, cyclomethicones and other silicone fluids
  - Provides dry smoothness and a light silky skin feel, non-greasy
  - Enhances the aesthetics of cyclomethicones
  - Reduces tackiness of formulations
  - Quick absorption
  - Cold processing
  - Slight sebum absorption

**PHYSICAL PROPERTIES**

Appearance	Colorless to yellowish, Transparent to translucent gel
Penetration degree	300-450 (1/10mm)
Viscosity	250,000~580,000cSt
Non-volatile content	Min.14 (% , w/w)

**BENEFITS & APPLICATIONS**

SiSiB® PC16512 can be used in skin care, hair care, and other potential formulations, such as sun care, color cosmetics, and styling aid, etc.

How to use:

This product could be dispersed into the oil-phase using simple mixing.

SiSiB® PC16512 can be added to the oil phase or silicone phase in an emulsion formulation.

SiSiB® PC16512 can be post-added to emulsions provided the emulsion is

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viscous enough for the products to be dispersed.

For ease of use, blending with dimethicone or cyclomethicone may reduce this product's viscosity.

The material of SiSiB® PC16512 should be processed in an enclosed vessel to prevent the cyclopentasiloxane from volatilizing when heat is used.

The recommended processing temperature is not over 60°C.

SiSiB® PC16512 would become very thick or even lumpy after a period of time. This is normal and it will recovery to original state after slightly agitate.

### RECOMMENDED DOSAGE

The recommended usage level is 1-20%.

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### PACKING

SiSiB® PC16512 is available in 18Kg plastic drum or 200Kg steel 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

In the original unopened packaging, SiSiB® PC16512 has a shelf life of two years in a dry and cool place. The storage temperature could not be over 60°C.

### LIMITATIONS

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

## SiSiB<sup>®</sup> PC16512 Silicone Elastomer Blend

### 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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