

SiSiB® PC16510 Silicone Elastomer Blend

INCI NAME

Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16510 is a high molecular weight silicone elastomer gel swollen in cyclopentasiloxane (D5). It provides high thickening efficiency together with a silky, light, and dry smooth skin feel.

SiSiB® PC16510 improves spreadability and contributes to a soft focus effect in cosmetic formulations. It is suitable for a wide range of make-up and skin care applications requiring enhanced sensory performance.

FEATURES & BENEFITS

- High thickening efficiency
- High transparency
- Silky skin feel
- Light and dry smoothness
- Soft focus effect
- Improves spreadability

PHYSICAL PROPERTIES

Appearance	Clear to translucent colorless gel
Viscosity (25°C, mPa·s)	700,000-1,600,000
Gel Content (%)	12-15
Density (25°C)	0.96

Typical values only and should not be used as specification limits.

APPLICATIONS

SiSiB® PC16510 is suitable for formulations requiring enhanced sensory properties, soft focus effect, and high viscosity build. Typical applications include make-up bases, liquid foundations, light creams, anti-wrinkle creams, concealers, essence lotions, blushers, and body lotions.

It may be used in oil-in-water emulsions, water-in-oil emulsions, and anhydrous formulations.

USAGE GUIDELINES

SiSiB® PC16510 may be formulated into oil-in-water emulsions, water-in-oil emulsions, and anhydrous formulations. It may be added to the oil phase or silicone phase in emulsion systems.

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Viscosity may be adjusted by blending with dimethicone or cyclomethicone. SiSiB® PC16510 is dispersible in a variety of liquid oils and may be processed using high shear equipment when required.

When heat is applied, short heating periods are recommended. Processing in a closed vessel is recommended to minimize volatilization of cyclopentasiloxane.

PACKING

SiSiB® PC16510 is available in 18Kg pails with plastic liner, or 180Kg 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 in the original unopened container at or below 50°C, SiSiB® PC16510 has a shelf life of 24 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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