

SiSiB® PC16508 Silicone Elastomer Blend

INCI NAME

Cyclopentasiloxane (and) Dimethicone / Vinyl Dimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16508 is a crosslinked high molecular weight silicone elastomer gel swollen in cyclopentasiloxane (D5). It functions as a thickening and sensory modifier in cosmetic formulations while providing a smooth, silky after-feel.

It improves spreadability, reduces tackiness, and contributes to a light, non-greasy skin feel. The cyclopentasiloxane carrier evaporates after application, helping enhance sensory performance on the skin.

FEATURES & BENEFITS

- Smooth and silky skin feel
- Light and non-sticky feel
- Velvet touch
- Improves spreadability
- Helps reduce tackiness
- Shear thinning behavior
- Easy to combine with pigments and cosmetic ingredients

PHYSICAL PROPERTIES

Appearance	Colorless translucent gel
Silica Gel Content (%)	12.5-14.5
Viscosity (25°C, mPa·s)	200,000-400,000
Density (25°C)	0.96

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

APPLICATIONS

SiSiB® PC16508 is suitable for cosmetic formulations requiring a smooth, silky, and lightweight skin feel. Typical applications include sunscreen products, moisturizers, anti-aging creams, foundations, lip glosses, pressed powders, eye serums, and eyeshadows.

It may be used as an integral formulation component or as a sensory additive to improve application properties and skin feel.

USAGE GUIDELINES

SiSiB® PC16508 may be incorporated using standard mixing procedures and can be added to the oil phase or silicone phase in cosmetic formulations.

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SiSiB® PC16508 shows good compatibility with pigments, silicone fluids, and many cosmetic oils. Viscosity may be adjusted by blending with cyclopentasiloxane or dimethicone.

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

PACKING

SiSiB® PC16508 is available in 18Kg pail 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® PC16508 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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