

SiSiB® PC16269 Silicone Elastomer Gel

INCI NAME Methyl Trimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC16269 is a translucent silicone elastomer gel composed of a high molecular weight crosslinked dimethicone/vinyl dimethicone copolymer dispersed in trimethylsiloxysilicate.

Designed for use in a wide range of personal care formulations, it imparts a silky, velvet-like touch with a non-greasy, dry after-feel. The product moderately absorbs sebum and effectively reduces tackiness, while thickening the oil phase in both anhydrous and emulsion systems.

It is cold-processable and well-suited for use with volatile and non-volatile silicone oils, esters, and hydrocarbons.

- ADVANTAGES**
- Delivers a luxurious, silky and powdery skin feel
 - Provides light sebum absorption for a matte finish
 - Reduces greasiness and stickiness in formulations
 - Enhances the aesthetics of cyclomethicone-based systems
 - Cold processable; no high shear required
 - Excellent compatibility with a wide range of oils

PHYSICAL PROPERTIES

Appearance	Transparent to Translucence Gel
Color	Colorless or Yellowish
Non-volatile substance (% , w/w)	Min.14
Viscosity (cP, 25°C, 2.5RPM, S94)	100,000-300,000

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

APPLICATIONS

SiSiB® PC16269 is suitable for a variety of personal care products, including:

- **Skin care:** creams, lotions, serums
- **Sun care:** sunscreens and after-sun formulations
- **Color cosmetics:** primers, foundations, BB/CC creams
- **Hair care:** styling products, conditioners
- **Anhydrous formulations:** balms, sticks, oil gels
- **Emulsions:** W/O, W/Si, O/W systems requiring enhanced texture

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and aesthetics

USAGE GUIDELINES

SiSiB® PC16269 should be incorporated into the oil phase of a formulation using gentle stirring until uniform. Compatible carriers include dimethicone, cyclomethicone, phenyl trimethicone, esters, and hydrocarbons.

In emulsions, pre-dispersion in the oil phase before emulsification is recommended. It may also be post-added if sufficient dispersion is ensured. If heating is necessary, processing should be conducted in sealed vessels at temperatures not exceeding 60 °C to minimize volatilization of silicone components.

RECOMMENDED DOSAGE

The recommended usage level is 1-20%. It is recommended to conduct a preliminary test to determine the optimal dosage.

PACKING

SiSiB® PC16269 is available in 18Kg pails and 180Kg steel drums.

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 40°C in the original unopened containers, SiSiB® PC16269 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.

We specifically disclaim any other express or implied warranty of fitness for

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a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.