

SiSiB® PC16270 Silicone Elastomer Gel

INCI NAME

Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16270 is a clear to slightly translucent gel composed of dimethicone and dimethicone/vinyl dimethicone crosspolymer. It can be easily dispersed into the oil phase of cosmetic formulations and is ideal for use in water-in-oil (W/O) emulsions and other oil-based systems. The product features a very low cyclic siloxane content, fully compliant with EU regulatory requirements.

ADVANTAGES

- Low-viscosity dimethicone as carrier
- Provides high brightness and a smooth, non-tacky skin feel
- Reduces tackiness in formulations
- Suitable for both cold and hot processing
- Slight sebum absorption, delivering a light and fresh skin finish
- Very low cyclic siloxane content, meeting EU regulatory standards

PHYSICAL PROPERTIES

Color	Colorless or yellowish
Appearance	Transparent to translucence gel
Non-Volatile Content (% w/w)	Min.17
Viscosity (cP, 25°C)	100,000~300,000
Brookfield, S94, 2.5 rpm	

BENEFITS & APPLICATIONS

SiSiB® PC16270 is suitable for use in skin care, sun care, makeup, hair care, perfume, and antiperspirant products. It can be directly added to the oil phase or silicone phase of an emulsion and is compatible with both hot and cold processing.

Pre-mixing with dimethicone or cyclomethicone can help reduce its viscosity and improve handling. When heating is necessary, the product should be processed in a closed vessel at temperatures not exceeding 60 °C.

SiSiB® PC162722 may exhibit increased viscosity or slight lumping after prolonged storage. This is a normal characteristic of the product and does not affect its performance. Gentle stirring will restore it to a uniform

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consistency.

RECOMMENDED DOSAGE

The suggested usage level is 1%-20%.

It is recommended to conduct a preliminary test to determine the optimal dosage.

PACKING

SiSiB[®] PC16270 is available in 18Kg plastic 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[®] PC16270 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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