

SiSiB® PC16238 Silicone Elastomer Gel

INCI NAME

Dimethicone (and) PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer (and) Polymethylsilsesquioxane

INTRODUCTION

SiSiB® PC16238 is a gel made from a high molecular weight polyethylene glycol-modified silicone crosslinked polymer and silicone resin mixture, dispersed in low-viscosity polydimethylsiloxane. It provides a unique velvety and powdery smoothness, delivering a matte mist effect. This ingredient forms a durable elastic film on the skin, reducing pigment migration and improving water resistance. In lip gloss formulations, it enhances color, creates a velvety texture, and improves film formation.

SiSiB® PC16238 helps cover fine wrinkles, smoothens skin, and offers long-lasting, skin-fitting makeup with a natural finish. It can also improve the rheological properties of formulas, serving as an auxiliary emulsifier to enhance product stability. This versatile ingredient can be used in various skincare and cosmetic products, including lotions, water creams, lip gloss, lipstick, BB/CC creams, liquid foundations, concealers, sunscreens, and hair care products. It is especially recommended for lip gloss formulas.

ADVANTAGES

- Non-volatile
- Soft, moisturizing, and durable
- Excellent velvety smoothness, with powdery feel
- Can be W/O emulsifier, improve viscosity, help to enhance stability of formulas
- Soft focus, cover fine lines and flaws
- Excellent skin-fitting and lasting effect, no powder during rubbing
- Form an elastic, soft smooth and durable film
- No sticky feels after film-formation
- Improve the skin feel of a formula
- Matte and oil-controlling
- As adhesive for pressed powder cosmetics
- Strong water resistance
- Easy to use

PHYSICAL PROPERTIES

Appearance	Translucent to creamy white gel
Silica gel content (%)	22.0

SiSiB® PC16238 Silicone Elastomer Gel

Solid content (%)	>92.0
Specific gravity (25°C)	0.94-0.98
Viscosity (mm ² /s ,25°C)	100000-200000
Flash point (°C)	>100
Carrier	Dimethicone

BENEFITS & APPLICATIONS

SiSiB® PC16238 can be formulated for O/W, W/O, or W/Si emulsions, as well as for water-free products. It is commonly used in skin care products, makeup, sunscreen formulations, antiperspirants and deodorants, and hair care products.

RECOMMENDED DOSAGE

The recommended usage level is 2-43%.

PACKING

SiSiB® PC16238 is supplied in 20kg Plastic 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® PC16238 has a shelf life of two years in a dry and cool place.

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 a particular purpose or merchantability.

SiSiB[®] PC16238 Silicone Elastomer Gel

We disclaim liability for any incidental or consequential damages.