

# SiSiB® PC16100 Silicone Elastomer Powder

## INCI NAME

Dimethicone/Vinyl Dimethicone Crosspolymer (and)  
HDI/Trimethylol Hexyllactone Crosspolymer

## INTRODUCTION

SiSiB® PC16100 is a silicone elastomer micro powder modified with polyurethane, designed to deliver a feather-light, skin-adhering texture with exceptional sensory performance. It provides ultra-long-lasting silky smoothness, superior oil absorption, soft-focus effects, and a natural matte effect, while dispersing easily in both oils and emulsions.

In skincare and sunscreen formulations, SiSiB® PC16100 reduces greasiness and enhances spreadability, forming stable, lightweight emulsions with a velvety after-feel. In oil-based systems, it quickly forms translucent gels with a powdery-soft, non-greasy finish and extended oil control.

In powder applications, SiSiB® PC16100 blends seamlessly with other powders to improve skin adhesion, oil control, and optical blurring of pores and fine lines, supporting the development of elegant, matte, and translucent cosmetic finishes. Its hybrid structure combines silicone's luxurious touch with polyurethane's resilience for multi-functional performance across diverse personal care products.

## ADVANTAGES

- Ultra-soft and silky texture skin feel
- High oil absorption for effective sebum control
- Provides a natural matte, soft-focus effect
- Improves smoothness and reduces tackiness
- Minimizes the appearance of fine lines and pores
- Enhances spreadability and sensory aesthetics
- Thickens the oil phase and stabilizes emulsions
- Easily dispersible in oils and emulsions

## PHYSICAL PROPERTIES

Appearance	Soft white powder
Particle size (D50) $\mu\text{m}$	3-7
Volatile content (%)	Max.1.0

*These values are typical and not intended for specification purposes.*

## SiSiB® PC16100 Silicone Elastomer Powder

### BENEFITS & APPLICATIONS

SiSiB® PC16100 is ideal for a wide range of personal care formulations:

- Skincare and Sunscreen
- Color Cosmetics: powders, foundations, blush, eyeshadow
- Deodorants and Antiperspirants
- Hair Care Products

In skincare and sunscreen formulations, SiSiB® PC16100 reduces greasiness and enhances spreadability, forming stable, lightweight emulsions with a velvety after-feel. In oil-based systems, it quickly forms translucent gels with a powdery-soft, non-greasy finish and extended oil control.

In powder applications, SiSiB® PC16100 blends seamlessly with other powders to improve skin adhesion, oil control, and optical blurring of pores and fine lines, supporting the development of elegant, matte, and translucent cosmetic finishes. Its hybrid structure combines silicone's luxurious touch with polyurethane's resilience for multi-functional performance across diverse personal care products.

### RECOMMENDED DOSAGE

Recommended Dosage: 1.0% - 25.0%

SiSiB® PC16100 can be incorporated directly into powder blends or dispersed into the oil phase of emulsions. It is compatible with water-in-oil (W/O), oil-in-water (O/W), and anhydrous systems. Upon mixing with oils, it rapidly forms a translucent gel, enabling easy formulation of soft-focus, mattifying textures.

### PACKING

SiSiB® PC16100 is available in 10kg fiber 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 at temperatures below 38°C in the original unopened

## SiSiB® PC16100 Silicone Elastomer Powder

containers, SiSiB® PC16100 has a shelf life of 18 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 a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.