

## SiSiB® PC11303 Silicone Resin Powder

**INCI NAME** Polymethylsilsesquioxane

**INTRODUCTION** SiSiB® PC11303 is a white silicone microsphere powder that combines the advantages of inorganic and polymer powders: it has excellent heat and chemical resistance like inorganic powders, while providing the silky and soft touch of polymer powders.

It has excellent dispersibility in the oil phase and very low absorption rate of non-polar oils (including sebum), which can fill fine lines and achieve a "wrinkle removal" effect through a soft-focus effect.

Even at high temperatures of up to 900 °C, SiSiB® PC11303 remains stable and does not melt, ensuring long-lasting performance. In addition, it can significantly improve the lubricity and water resistance of the formula, prevent the agglomeration of pigments and powders, and give makeup, skin care, sun care and other personal care products a long-lasting smooth skin feel and advanced soft-focus texture experience.

- FEATURES & BENEFITS**
- Low uptake of nonpolar oils, preventing over-swelling
  - Improves water repellence
  - Prevents pigment and powder agglomeration
  - Outstanding thermal and chemical stability
  - Soft-focus, matte finish
  - Soft, smooth and silky feel

**PHYSICAL PROPERTIES**

Appearance	White spherical micro powder
Oil absorption (Paraffin Oil)	60~90 ml/100g
Average particle size (µm)	2-4
True Specific Gravity (g/cm <sup>3</sup> )	1.25-1.35
Volatile content (%, 150°C, 3h)	Max.2

**APPLICATIONS**

SiSiB® PC11303 can be used to elevate sensory and performance attributes across a broad spectrum of personal care and color cosmetics formulations, including:

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- Facial creams and lotions
- Anti-aging serums and treatments
- Foundations and BB/CC creams
- Pressed and loose powders
- Lipsticks and lip balms
- Mascaras and eyeliners
- Eye shadows and brow powders

In each of these applications, PC11303 enhances skin feel by providing superb lubricity, preventing powder agglomeration, improving spreadability, and delivering a soft-focus, wrinkle-smoothing effect.

### METHOD OF USE

First, pre-disperse SiSiB® PC11303 in a low-viscosity silicone fluid, cyclomethicone or a light grease like isopropyl myristate.

Homogenize the mixture until the powder is fully and uniformly wetted.

When preparing an emulsion, gently incorporate the oil-phase dispersion into the water phase, stirring until evenly blended.

### RECOMMENDED DOSAGE

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

### PACKING

SiSiB® PC11303 is available in 20Kg paper pails.

### 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 containers, SiSiB® PC11303 has a shelf life of 12 months from the date of production.

## SiSiB<sup>®</sup> PC11303 Silicone Resin Powder

### 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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