

SiSiB® PC11266 Silicone Resin Powder

INCI NAME Trimethylsiloxysilicate (and) Polypropylsilsesquioxane

INTRODUCTION SiSiB® PC11266 Resin combines MQ and T-propyl silicone resins to deliver exceptional transfer and wash resistance with a flexible, comfortable film for skin and cosmetic applications. Even after stretching and washing, the film remains smooth and intact. In sunscreens, it significantly enhances SPF wash-off resistance.

- ADVANTAGES**
- Compatible with silicone and organic carriers
 - Film-forming and long-lasting
 - Waterproof
 - Environmentally friendly

PHYSICAL PROPERTIES

Appearance	White powder
Volatility (150°C, 3h, %)	Max.2
Bulk Density (g/cm ³)	0.45-0.75

Note: These values are not intended for use in formulating specifications.

BENEFITS & APPLICATIONS

SiSiB® PC11266 is widely used in cosmetics products such as sunscreen, skincare, make-up, and hair care products.

To ensure optimal film-forming performance, it is recommended to use a compatible volatile carrier in the oil phase of the formulation. SiSiB® PC11266 Resin is soluble in various organic and silicone oils at concentrations of 50% or higher. Compatibility with common cosmetic ingredients at 50% concentration is shown in Table.

Solubility	Resin: Solvent = 1:1 wt
Water	Not Compatible
Isopropyl myristate	Compatible
Isopropyl palmitate	Compatible
Dicaprylyl Carbonate	Compatible
Caprylic/Capric Triglycerides	Compatible
C12-15 Alkyl Benzoate	Compatible
Mineral oil	Compatible

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Squalane	Compatible
C11-C13 Isoparaffin	Compatible
Isododecane	Compatible
C13-C15 alkane	Compatible
Isohexadecane	Compatible
Hexamethyldisiloxane (MM)	Compatible
Cyclosiloxane (D4, D5, D6)	Compatible
Low-viscosity Silicone Oil	Compatible

The dissolution rate of the resin flakes depends on the type of oil and the mixing temperature. Heating the mixture to 70 °C can reduce dissolution time by up to 80%. To avoid the formation of large, hard-to-redisperse aggregates, the resin should be added slowly to the oil with continuous stirring.

SiSiB® PC11266 Resin also increases the final viscosity of the carrier depending on the concentration and oil type, thereby enhancing the stability of formulations such as lotions and lipsticks.

RECOMMENDED DOSAGE

Hair care	0.5-5%
Make-up	1.0-20%

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

PACKING

SiSiB® PC11266 is available in 25Kg paper drums or 100Kg 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 in the original unopened containers, SiSiB® PC11266 has a shelf life of 24 months from the date of production.

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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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