

SiSiB® PC16315 Silicone Elastomer Powder

INCI NAME

Dimethicone / Vinyl Dimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16315 is a crosslinked silicone elastomer supplied as a soft white powder. It absorbs a broad range of polar and non-polar oils and swells in low-viscosity silicone fluids and other compatible cosmetic emollients.

SiSiB® PC16315 functions as a sensory and texture modifier in personal care formulations. It improves slip and spreadability, reduces tackiness and greasiness, and leaves the skin with a smooth, silky and powdery after-feel. It can also help reduce surface shine and provide a soft-focus effect.

FEATURES & BENEFITS

- Provides a smooth, silky and powdery skin feel
- Reduces tackiness and greasy after-feel
- Absorbs cosmetic oils and sebum
- Helps reduce surface shine
- Improves slip and spreadability
- Builds texture and viscosity in anhydrous and W/O systems
- Provides a soft-focus effect and helps blur fine lines
- Compatible with a broad range of cosmetic oils and emollients
- Suitable for cold processing
- D4, D5 and D6 content: each below 0.1%

PHYSICAL PROPERTIES

Appearance	Soft white powder
Bulk density (g/cm ³)	0.1-0.3
D4, D5 and D6 content (%)	Max. 0.1 (each)

These values are typical and are not intended for use as specifications.

APPLICATIONS

SiSiB® PC16315 is suitable for use in skin care creams, lotions, gels, facial primers, sun care products, liquid and cream foundations, concealers and other colour cosmetics. It can also be incorporated into anhydrous formulations, balms, stick products, water-in-oil emulsions and water-in-silicone emulsions to improve texture, sensory properties, oil absorption and viscosity.

SiSiB® PC16315 Silicone Elastomer Powder

USAGE GUIDELINES

SiSiB® PC16315 can be processed at room temperature without heating.

For best results, pre-disperse the powder in a low-viscosity silicone fluid, such as 3-5 cSt dimethicone, or another compatible emollient. Mix until fully wetted and uniformly dispersed.

Apply sufficient shear to break up agglomerates and obtain a smooth, homogeneous dispersion, while minimizing air entrainment.

In emulsions, add the pre-dispersion to the oil phase before emulsification. It may also be added during cool-down, provided uniform dispersion can be achieved.

Confirm compatibility, processing conditions and finished-product stability in the final formulation.

RECOMMENDED DOSAGE

A typical use level is 1-20%, depending on the formulation and desired performance.

PACKING

SiSiB® PC16315 is available in 10 kg paper 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

Store in the original, tightly closed container in a cool, dry and well-ventilated place.

Protect from moisture, direct sunlight and rain. Reseal the container immediately after each use to prevent moisture uptake and contamination.

When stored in the unopened original packaging under the recommended conditions, the product has a shelf life of 24 months from the date of manufacture.

SiSiB® PC16315 Silicone Elastomer Powder

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.