

SiSiB® PC16517 Silicone Elastomer Blend

INCI NAME Cyclopentasiloxane (and) Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC16517 is a non-volatile silicone elastomer gel consisting of high molecular weight crosslinked dimethicone dispersed in cyclopentasiloxane (D5). It offers excellent spreadability, a light and silky sensory profile, and helps thicken oil-in-water, water-in-silicone, and anhydrous systems. It is easy to formulate, cold-processable, and enhances product aesthetics by reducing tackiness and improving spread and absorption.

- KEY FEATURES & BENEFITS**
- Smooth, clear to slightly translucent gel
 - Dry, silky, non-greasy feel
 - No balling effect upon application
 - Reduces tackiness of formulations
 - Enhances spreadability and quick absorption
 - Cold processable
 - Thickening agent for W/O, W/Si, and anhydrous systems
 - Improves fragrance retention
 - Sebum absorption

PHYSICAL PROPERTIES

Appearance	Translucent gel
Viscosity (25°C, cP)	260,000-460,000
Non-volatile Content (150°C, 2h, %)	11-13
Specific Gravity	0.96

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

APPLICATIONS

SiSiB® PC16517 is widely used in personal care products such as primers, foundations, BB/CC creams, sunscreens, and leave-on treatments. It enhances skin feel, boosts pigment dispersion, and improves product texture, making it ideal for high-performance skincare, makeup, and sun care products.

USAGE GUIDELINES

SiSiB® PC16517 can be incorporated into oil-in-water, water-in-silicone, and anhydrous systems. It can be added into the oil or silicone phase and easily dispersed under low or high shear. Viscosity can be adjusted by blending with D5, dimethicone, or compatible oils.

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PACKING

SiSiB® PC16517 is supplied in 18Kg plastic pail or 180Kg 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 in the original unopened containers, SiSiB® PC16517 has a shelf life of 24 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.

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