

SiSiB® PC16518 Silicone Elastomer Blend

INCI NAME Cyclopentasiloxane (and) Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC16518 is a soft, non-greasy, and translucent silicone elastomer gel composed of a high molecular weight crosslinked dimethicone dispersed in cyclopentasiloxane (D5). It functions both as a thickening agent and as a sensory enhancer, providing a dry, velvety feel while improving the spreadability, transfer resistance, and texture of cosmetic formulations

- FEATURES & BENEFITS**
- Odorless and translucent
 - Dry, silky and non-greasy sensory profile
 - Shear-thinning, easy to spread
 - Improves transfer resistance and texture
 - Enhances emolliency and fast drying
 - Suitable for cold processing
 - Non-sticky after D5 evaporation

PHYSICAL PROPERTIES

Appearance	Colorless translucent gel
Viscosity (mPa·s)	250,000-580,000
Non-Volatile Content (150°C, 2h, %)	12.5-14.5
Density	0.95-0.99

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

APPLICATIONS SiSiB® PC16518 is ideal for a variety of personal care formulations including sunscreens, primers, foundations, BB/CC creams, moisturizers, lip glosses, eye creams, and color cosmetics. It is especially suitable for use in water-in-silicone emulsions and anhydrous systems that require improved texture and sensory appeal.

USAGE GUIDELINES Add SiSiB® PC16518 into the oil or silicone phase of the formulation. It can be processed cold and is compatible with other silicones, esters, and cosmetic oils. High or low shear mixing may be used depending on desired viscosity. When D5 evaporates, it leaves behind a light, breathable film with a velvety feel.

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PACKING

SiSiB® PC16518 is supplied in 18 KG Pail with inner plastic liner or 200 KG 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

In the original unopened containers, SiSiB® PC16518 has a shelf life of 24 months from the date of production when stored at or below 60°C (140 °F) in a dry and cool place.

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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