

SiSiB® PC16330 Silicone Elastomer Gel

INCI NAME

Dimethicone (and) Cetearyl Dimethicone Crosspolymer

INTRODUCTION

SiSiB® PC16330 is a translucent, non-volatile silicone elastomer gel composed of a linear polydimethylsiloxane and a cetyldimethicone crosspolymer.

SiSiB® PC16330 provides excellent thickening effects in water-in-oil (W/O), water-in-silicone (W/Si), and oil-in-water (O/W) emulsions. SiSiB® PC16330 imparts a silky, dry, non-greasy feel to formulations and offers slight sebum absorption, improving the aesthetics and comfort of personal care products.

ADVANTAGES

- Non-volatile silicone elastomer gel
- Excellent thickening for W/O, W/Si, and O/W systems
- Provides silky, smooth, and moisturizing skin feel
- Reduces tackiness in formulations
- Enhances sensory feel in skin care and color cosmetics
- Suitable for both hot and cold processing

PHYSICAL PROPERTIES

Appearance	Translucent gel
Non-volatile content	Min.50 (1-1.5g,%,3h,150°C)
Viscosity (cP, 25°C)	55,000-150,000

BENEFITS & APPLICATIONS

SiSiB® PC16330 is recommended for use in a wide range of personal care products, including skin care formulations, color cosmetics (such as lipsticks and foundations), and hair care products where enhanced texture, softness, and spreadability are desired.

RECOMMENDED DOSAGE

The recommended dosage of this product is 1-20%.

USAGE GUIDELINES

SiSiB® PC16330 can be directly dispersed into the oil phase (silicone oils or organic oils) with simple stirring.

For emulsions, it is recommended to add SiSiB® PC16330 to the oil phase before emulsification. The oil phase should be pre-homogenized or slowly added into the gel with gentle stirring to ensure uniform dispersion. Post-addition is also possible if the viscosity of the dispersing phase supports

SiSiB® PC16330 Silicone Elastomer Gel

sufficient dispersion.

For ease of use, the viscosity can be reduced by mixing with dimethicone or cyclomethicone.

SiSiB® PC16330 may become very thick or slightly lumpy over time. This is a normal phenomenon and the product will return to its original state after gentle agitation.

PACKING

SiSiB® PC16330 is supplied in 20Kg pail, 190Kg 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 packaging, SiSiB® PC16330 has a shelf life of 24 months in a dry and cool place at room temperature.

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.