

SiSiB® PC16234 Silicone Elastomer Gel

INCI NAME Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC16234 is a high molecular weight dimethicone/vinyl dimethicone crosspolymer dispersed in low viscosity dimethicone, which can be used in formulations of skin care, sun care, color cosmetics, hair care, perfume and antiperspirant to provide long-lasting smooth, silky, non-greasy skin feel.

- ADVANTAGES**
- Cyclomethicone-free and non-volatile
 - Excellent spreading performance
 - Strong Water Resistance
 - Non-greasy feel on skin and long-lasting skin feel
 - Moisturizing, silky-smooth with a subtle powdery texture
 - Minimizes the appearance of fine lines
 - Used as thickening agent in W/O Systems
 - Flexible processing, can be used in cold and hot processes

PHYSICAL PROPERTIES

Appearance	Transparent to translucent gel
Silica gel content (%)	23.0
Solid content (%)	Min.92.0
Refractive index (nD ²⁵)	1.3980-1.4080
Specific gravity (25°C)	0.93-0.97
Viscosity (25°C, cSt)	250,000-400,000

BENEFITS & APPLICATIONS

SiSiB® PC16234 is suitable for a wide range of formulations including oil-in-water (O/W), water-in-oil (W/O), water-in-silicone (W/Si) and anhydrous systems. It is used in skin care, color cosmetics, sun care formulations, antiperspirants and deodorants, and hair care products.

In solid color cosmetics (e.g., lipsticks), SiSiB® PC16234 prevents cracking and shrinking caused by volatile oils, enhances water resistance, and acts as a binder for powdered cosmetics to prolong the wear of the makeup.

In primers or bases, SiSiB® PC16234 smooths fine lines, enhances slip, makes it easier to apply, and creates a natural matte finish. It controls oil secretion, prevents foundation from breaking down, and keeps it clear for a

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long time.

In skin care and sun care products, SiSiB® PC16234 provides a silky, moist feel, enhances moisturization, and improves overall efficacy and comfort.

RECOMMENDED DOSAGE

The recommended usage level is 2-80%. It is recommended to conduct a preliminary test to determine the optimal dosage.

PACKING

SiSiB® PC16234 is supplied in 20Kg and 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

In the original unopened packaging, SiSiB® PC16234 has a shelf life of two years 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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