

SiSiB® PC16243 Silicone Elastomer Gel

INCI NAME Dimethicone (and) Dimethicone Crosspolymer

INTRODUCTION SiSiB® PC16243 is a non-volatile silicone elastomer gel consisting of a high molecular weight crosslinked dimethicone dispersed in low-viscosity dimethicone (5cSt). It provides an exceptionally smooth, velvety skin feel, excellent spreadability, and long-lasting wear. Designed for use in a wide range of personal care products, it creates a soft-focus matte finish, enhances color payoff, and improves formula stability.

- ADVANTAGES**
- High-viscosity translucent silicone gel
 - Shear-thinning and easy to spread
 - Soft-focus and matte finish
 - Enhances color intensity and opacity
 - Long-lasting adhesion and sebum resistance
 - Compatible with oils, esters, pigments, and emulsifiers

PHYSICAL PROPERTIES

| | |
|----------------------------------|-----------------|
| Appearance | Translucent gel |
| Refractive Index | 1.3900-1.4100 |
| Cone Penetration (25°C, 0.1 mm) | 290-370 |
| Non-volatile Content (%)105°C/3h | 80-90 |

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

APPLICATIONS

SiSiB® PC16243 is widely used in skin care, color cosmetics, and sun care formulations where a soft, velvety touch and matte finish are desired. It enhances spreadability, improves texture, boosts pigment dispersion, and delivers long-lasting adhesion and smooth coverage, making it ideal for primers, foundations, BB/CC creams, matte lipsticks, and SPF emulsions.

USAGE GUIDELINE

SiSiB® PC16243 can be formulated into oil-in-water emulsions, water-in-silicone emulsions, and anhydrous systems. It should be incorporated into the oil or silicone phase of the formulation and is easily dispersible under high shear mixing. The product is shear-thinning and compatible with oils, esters, pigments, and emulsifiers.

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| Application | Recommended Dosage (%) |
|----------------|------------------------|
| Skin Care | 3-15 |
| Color Cosmetic | 10-60 |
| Sun Care | 3-50 |

PACKING

SiSiB® PC16243 is supplied in 15Kg pail, 180Kg drum.

STORAGE

In the original unopened packaging, SiSiB® PC16243 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.

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