

SiSiB® PC16209 Water-Dispersible Silicone Elastomer Gel

INCI NAME Caprylyl Methicone (and) Dimethicone Crosspolymer (and) Propylene Glycol (and) Water (and) PEG-7 Glyceryl Cocoate (and) Hexylene Glycol (and) Carbomer

INTRODUCTION SiSiB® PC16209 is a water-dispersible silicone elastomer gel based on surface-modified dimethicone crosspolymer. It disperses evenly in the aqueous phase to form clear to translucent systems, offering a soft, silky skin feel with excellent spreadability and moisturization. It improves sensory performance and provides smooth, non-tacky textures for modern personal care formulations.

- ADVANTAGES**
- Easily dispersible in water
 - Long-lasting silky feel and skin affinity
 - Enhances moisturization without greasiness
 - Provides soft-focus and blurring effect
 - Suitable for transparent or translucent aqueous systems

PHYSICAL PROPERTIES

Appearance	Clear to translucent gel
Viscosity, 25°C, mPa·s	200,000-800,000
Refractive Index, 20°C	1.410-1.430
Non-volatile Content, 105°C, 3h	12.0-16.0%

These values are typical and not intended for specification purposes.

BENEFITS & APPLICATIONS

SiSiB® PC16209 is ideal for:

- Skin care creams, gels, and serums
- Water-based foundations and color cosmetics
- Sheet mask essences and facial treatments
- Lightweight emulsions requiring a silky after-feel

RECOMMENDED DOSAGE

Skincare	1-20%
Color cosmetics	1-30%
Facial Mask	1-20%

It can be evenly dispersed into the aqueous phase by slowly adding water

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under continuous stirring. Incorporating suitable amounts of polyols (e.g., propylene glycol or butylene glycol) facilitates the formation of transparent to translucent emulsions containing silicone elastomer gels.

PACKING

SiSiB® PC16209 is available in 20Kg pails.

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 at room temperature in the original unopened containers, SiSiB® PC16209 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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