

## SiSiB® PC12632 Alkoxy Silicone Wax

### INCI NAME

Behenoxy Dimethicone

### INTRODUCTION

SiSiB® PC12632 is a long carbon chain alkoxy modified polydimethylsiloxane with accurate carbon number, white waxy texture, precise melting point, narrow melting point range (within 2°C), and low odor.

SiSiB® PC12632 is more inclined to silky light oil, which can form a refreshing and moisturizing film on the skin surface, reduce skin moisture loss and soften the skin which has a suitable melting point, with hardness, flexibility and excellent smoothness, so that the formula has an excellent smooth feeling.

### ADVANTAGES

- Excellent silky feel, easy to demould
- With a certain of hardness and good flexibility
- Ensure high quality smooth application under high hardness conditions
- No obvious waxy and sticky feeling, light and not greasy
- High soft texture, reduce the breakage of rod products
- Can promote the bar-sharped product color
- Lubricity and excellent moisture retention
- Provides lotion and rod structure support and excellent touch
- Helps emulsify, increase product thickness and texture, and bond raw materials
- High hydrophobicity
- Excellent skin affinity
- Good compatibility with organic components
- Well pigment stability
- Similar to the thickening and emulsifying effects of long chain fatty alcohols

### PHYSICAL PROPERTIES

INCI NAME	Behenoxy Dimethicone
Appearance	Milk white to light yellow wax
Solid content (120°C, 2h, %)	Min.95
Flash point (°C)	Min.100
Average Melting Point(°C)	64.0-66.0

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### BENEFITS & APPLICATIONS

SiSiB® PC12632 finds extensive use in a multitude of products: cosmetics, sunscreens (such as foundation and lipstick), hair care items (including conditioner, ointment, and hair masks), skin care formulations that offer a moisturizing shield and a delightfully silky touch, as well as antiperspirants and deodorants.

#### How to use:

When used in pure oil formulation system, it needs to be melted by heating and mixed evenly with other solid or liquid phase components.

When used in emulsifier formulation systems, it is emulsified into a homogeneous emulsion in a heated and molten state.

### RECOMMENDED DOSAGE

It is recommended to conduct a preliminary test to determine the optimal dosage.

### PACKING

SiSiB® PC12632 is supplied in 20Kg fiber 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® PC12632 has a shelf life of 24 months at least 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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