

## SiSiB® SiM4108 Slip Masterbatch for Polypropylene Films

### INTRODUCTION

SiSiB® SiM4108 is a slip masterbatch based on high molecular weight modified polydimethylsiloxane (PDMS) dispersed in a polypropylene (PP) carrier. It is designed for use in cast polypropylene (CPP) and BOPP films to reduce surface friction, improve processing, and enhance release performance without causing precipitation or surface defects.

### BENEFITS

- Reduces static and kinetic COF; prevents film blocking
- Provides durable slip at high temperatures
- Improves release in release film by reducing peel force and residue
- Non-migrating: eliminates powdering on film surfaces
- Effective in high-speed packaging films requiring excellent hot slip
- Improves process lubricity and extrusion efficiency

### PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Silicone Content:	50%
Carrier Resin:	PP
MFI (230°C, 2.16 kg, g/10min):	7-20
Density(kg/m <sup>3</sup> )	500-600

These values are typical and not intended for specification purposes.

### APPLICATIONS

SiSiB® SiM4108 is recommended for use in cast polypropylene (CPP) film and BOPP film applications. To achieve optimal surface slip and anti-blocking performance, it should be incorporated directly into the skin layer.

- **Recommended dosage:** 2-10 wt%
- Compatible with anti-blocking agents if needed

### PACKING

SiSiB® SiM4108 is supplied in 25kg, craft paper bag.

### 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.

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### STORAGE

In the original unopened packaging, SiSiB® SiM4108 has a shelf life of 24 months at dry condition, room temperature.

### 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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