

## SiSiB® SiM4115 Silicone Masterbatch

### INTRODUCTION

SiSiB® SiM4115 is a slip masterbatch composed of ultra-high molecular weight polysiloxane dispersed in a ternary polypropylene carrier. It is specifically designed for use in polypropylene film applications to significantly enhance slip performance, reduce surface friction, and prevent film blocking during processing.

### BENEFITS

- Excellent slip and anti-blocking performance, reducing COF.
- Long-lasting slip effect under high temperatures.
- Improved release properties with minimal residue.
- Stable, non-migrating performance, preventing chalking issues.
- Effective lubrication during processing, enhancing productivity.

### PHYSICAL PROPERTIES

Appearance	White pellets
Carrier Resin	Polypropylene (PP)
Melt Index (230 °C, 2.16 kg)	4-12 g/10 min
Volatile Content	Max. 0.5%
Bulk Density	500-600 kg/m <sup>3</sup>

### APPLICATIONS

SiSiB® SiM4115 is particularly recommended for use in cast polypropylene (CPP) films and biaxially oriented polypropylene (BOPP) films. It provides superior slip performance and can be directly added to the surface layer of the film. It is also suitable for use in release films and high-speed packaging films requiring excellent thermal slip performance.

### RECOMMEND DOSAGE

The suggested addition level is 2-10% depending on the targeted coefficient of friction (COF). SiSiB® SiM4115 contains only the slip agent and can be freely combined with anti-blocking agents as required.

### PACKING

SiSiB® SiM4115 is supplied in 25kg, craft paper bag and it can be customized according to the special needs.

### 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,

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from the distributor, or by contacting SiSiB customer service.

### STORAGE

In the original unopened packaging, SiSiB® SiM4115 has a shelf life of 12 months in a dry and cool place.

### 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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