

# SiSiB<sup>®</sup> SiM4012

## Silicone Masterbatch

### INTRODUCTION

SiSiB<sup>®</sup> SiM4012 is a polyester modified silicone additive with excellent thermal stability. It is used in thermoplastic products such as PE, PP, PVC, PMMA, PC, PBT, PA, PC/ABS, etc.

SiSiB<sup>®</sup> SiM4012 can obviously improve the scratch-resistant and wear-resistant surface properties of products, improve the lubricity and mold release of the material processing process so that the product property is better.

SiSiB<sup>®</sup> SiM4012 has a special structure with good compatibility with the matrix resin, no precipitation, no effect on the appearance and surface treatment of products.

### BENEFITS

- Improve scratch resistance and wear resistance;
- Reduce surface friction coefficient, improve surface smoothness;
- Make products have good mold release and lubricity, improve processing efficiency.

### TYPICAL PHYSICAL PROPERTIES

Color and Appearance:	White pellet
Concentration:	100%
Melt index (°C)	50-70
Volatiles (% , 105°C×2h):	Max.0.5

### APPLICATIONS

SiSiB<sup>®</sup> SiM4012 can be used in scratch-resistant, lubricated, mold release in PE, PP, PVC, PMMA, PC, PBT, PA, PC/ABS and other plastics, etc.

SiSiB<sup>®</sup> SiM4012 has good scratch-resistance, which can be used in lubricated in thermoplastic elastomers such as TPE, TPU.

The recommend dosage is 0.3% to 1.0%.

### PACKING AND STORAGE

# SiSiB<sup>®</sup> SiM4012

## *Silicone Masterbatch*

SiSiB<sup>®</sup> SiM4012 is supplied in 25Kg craft paper bag with PE inner bag.

In the unopened original container SiSiB<sup>®</sup> SiM4012 has a shelf life of one year in a dry and cool place.

### NOTES

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

August 2024 | [Technical Data Sheet](#) | Edition JW

Please send all technical questions concerning quality and product safety to: [support@SiSiB.com](mailto:support@SiSiB.com).