

# SiSiB<sup>®</sup> MB5050

## Silicone Masterbatch

### INTRODUCTION

SiSiB<sup>®</sup> MB5050 is an ultra-high molecular weight siloxane polymer dispersed in ABS resin. It is designed to be used as additive in resin compatible systems to improve processing and modify surface characteristics.

### BENEFITS

- Improved scratch resistance.
- Improved lubricity.
- Improved slip properties
- Reduced coefficient of friction.
- Improved mold-filling and mold release
- Increased fabrication line throughput.
- Reduced energy usage in processing.

### TYPICAL PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Silicone Content [%]:	50
Resin Base:	ABS
Dosage [%]:	0.5 - 5

### APPLICATIONS

SiSiB<sup>®</sup> MB5050 may be processed in the same way as the thermoplastics on which they are based.

SiSiB<sup>®</sup> MB5050 should be blended with virgin polymer pellets to give the desired Siloxane leveling the final product.

SiSiB<sup>®</sup> MB5050 can be added during compounding in a single screw extruder or added at the feed hopper during the injection molding or extrusion.

#### Recommend dosage:

When added at 0.5% to 2%, it improved processing and flow of the resin, including better mold filling, less extruder torque, internal lubrication, mold release and faster throughput..

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When added at higher levels, it improved surface properties, including lubricity, slip, lower COF, scratch resistance and abrasion resistance.

### PACKING AND STORAGE

SiSiB<sup>®</sup> MB5050 is supplied in 25Kg craft paper bag.

In the unopened original container SiSiB<sup>®</sup> MB5050 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.

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