

# SiSiB<sup>®</sup> MB12050

## Silicone Masterbatch

### INTRODUCTION

SiSiB<sup>®</sup> MB12050 is an ultra-high molecular weight siloxane polymer dispersed in LLDPE. It is designed to be used as additive in polypropylene compatible systems to improve processing and modify surface characteristics.

### BENEFITS

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

### TYPICAL PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Silicone Content :	50%
Resin Base:	LLDPE
Dosage :	0.5-5%
MFI (190°C, 2.16 kg)	10g/10min

### APPLICATIONS

SiSiB<sup>®</sup> MB12050 may be processed in the same way as the thermoplastics on which they are based.

SiSiB<sup>®</sup> MB12050 should be blended with virgin polymer pellets to give the desired Siloxane leveling the final product.

SiSiB<sup>®</sup> MB12050 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

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mold filling, less extruder torque, internal lubrication, mold release and faster throughput..

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

### PACKING AND STORAGE

SiSiB<sup>®</sup> MB12050 is supplied in 25kg paper bag and it can be customized according to the special needs.

In the original unopened packaging, SiSiB<sup>®</sup> MB12050 has a shelf life of 24 months at dry condition.

### 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).