

SiSiB[®] MB8040

Silicone Masterbatch

INTRODUCTION

SiSiB[®] MB8040 is an ultra-high molecular weight siloxane polymer dispersed in PET. 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 throughput.
- ☐ Reduced energy usage in processing.

TYPICAL PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Silicone Content [%]:	40
Resin Base:	PET
Dosage (%):	0.5-5
MFI (190°C, 2.16 kg)	35 g/10min

APPLICATIONS

SiSiB[®] MB8040 is widely used in BOPET film, PET sheets, PET fiber, etc.

SiSiB[®] MB8040 is used to improve processing and flow of resin, provide better mold release: reduce mar and abrasion of equipment, better mold filling, reduce non-confirming rate of products.

SiSiB[®] MB8040 is used to lower Coefficient of Friction (COF), improve slip property and surface gloss, enhance silk hand feeling of surface, abrasion and scratch resistance.

SiSiB[®] MB8040 greatly improves fire-resistant property, lower smoke density, higher impact strength and surface gloss of mineral filled fire-resistant thermoplastics.

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SiSiB[®] MB8040 enhanced stability and non-migration, no bleeding.

SiSiB[®] MB8040 should be mixed with compatible resins at a certain amount, for injection molding or extrusion into pellets.

At dosage of 0.5- 2%, processing, flow and mold releasing properties are improved;

At dosage of 1.0-5.0%, surface properties (lubricity, slip, gloss, mar and abrasion resistance) are enhanced. Dosages between 2-5% can decrease the abrasion loss by 30-80%.

PACKING AND STORAGE

SiSiB[®] MB8040 is supplied in 25Kg craft paper bag.

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.