

SiSiB[®] MB8030

Silicone Masterbatch

INTRODUCTION

SiSiB[®] MB8030 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 (%):	0.3-5%
MFI (190°C, 2.16 kg)	35 g/10min

APPLICATIONS

At small dosages of 0.3-2%, MB8030 improves flow and processing of PET, provides better mold filling and release, as well as reduces extruder torque;

At use level of 1-5%, MB8030 imparts better surface property, including better hand feeling, lower Coefficient of Friction (COF), better anti-abrasion and anti-scratch ability. Besides, it helps to reduce surface tension, improve hydrophobic and anti-sticky properties.

In BOPET film, MB8030 imparts good hand feeling, high temperature smoothness, and no bleeding.

In PET sheets, MB8030 modifies processing property and surface, with better

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anti-abrasion and anti-scratch ability. And it also improves anti-adhesion property.

In fiber-drawing industry, MB8030 improves appearance and hand feeling of silk fiber, reduces breakage, enhances abrasion resistance, decreases surface tension, higher hydrophobic property.

In PET injection products, MB8030 improves flow of resin, betters slip hand feeling, enhances abrasion and scratch resistance. It effectively increases rate of finished products, improves surface appearance.

SiSiB[®] MB8030 should be mixed with PET resins, dried at 110-150°C condition, then extruded into pellets.

Dry MB8030 can also be mixed with dry PET for injection molding or extrusion into pellets.

PACKING AND STORAGE

SiSiB[®] MB8030 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.