

SiSiB[®] MB4050

Silicone Masterbatch

INTRODUCTION

SiSiB[®] MB4050 is a pelletized formulation with 50% ultra-high molecular weight siloxane polymer dispersed in HDPE. 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:	HDPE
Dosage (%):	0.5 - 5
MFI (190°C, 2.16 kg)	>8 g/10min

APPLICATIONS

SiSiB[®] MB4050 can be used in silicone core pipe / optic fiber duct / PLB HDPE pipe.

SiSiB[®] MB4050 can be used in large diameter pipe.

SiSiB[®] MB4050 can be used in packaging boxes, bottles to improve the surface smoothness.

SiSiB[®] MB4050 can be used in PE plastic sheets.

Used methods:

SiSiB[®] MB4050 can be mixed with its compatible resin at a certain proportion then

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molding or pelleting directly.

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..

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

PACKING AND STORAGE

SiSiB[®] MB4050 is supplied in 25Kg craft paper bag.

In the unopened original container SiSiB[®] MB4050 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.