

SiSiB® MB1049 Silicone LDPE Masterbatch

INTRODUCTION

SiSiB® MB1049 is a pelletized masterbatch containing 50% ultra-high molecular weight (UHMW) siloxane polymer dispersed in a low-density polyethylene (LDPE) carrier. It is designed to improve the processing performance and surface quality of polyethylene-compatible systems. Key benefits include enhanced flow, reduced torque, mold release, and superior surface slip with long-lasting effects.

KEY FEATURES

- Improves melt flow and mold filling
- Reduces die drool and extruder torque
- Enhances mold release and process stability
- Improves surface slip and reduces coefficient of friction
- Increases scratch and abrasion resistance
- Reduces defect rate and enables faster throughput

PHYSICAL PROPERTIES

Color and Appearance	White pellet
Silicone Content (%)	50
Carrier Resin	LDPE
MFI (190°C, 2.16 kg, g/10min)	11.0
Dosage (wt%)	0.5~5

Note: These values are typical and are not intended for use as specifications.

APPLICATIONS

SiSiB® MB1049 is suitable for use in polyethylene films, injection-molded parts, and extruded products where internal lubrication, improved processing efficiency, and enhanced surface finish are desired.

USAGE GUIDELINES

- Recommended addition: 0.5-5.0 wt%
- Compatible with standard melt blending methods including single/twin-screw extrusion and injection molding
- For best results, dry blend with virgin resin before processing

PACKING

SiSiB® MB1049 is supplied in 25kg, craft paper bag.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data

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sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

In the original unopened packaging, SiSiB® MB1049 has a shelf life of 24 months in a dry and cool place.

NOTE

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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