

SiSiB® MB0500 Silicone-EVA Masterbatch

INTRODUCTION

SiSiB® MB0500 is a silicone masterbatch containing 50% ultra-high molecular weight polydimethylsiloxane (UHMW PDMS) dispersed in EVA resin. It is specially designed for EVA shoe soles, where even small dosages can significantly reduce abrasion loss and extend product lifetime. Compared with traditional low-molecular-weight silicones or other types of wear-resistant additives, SiSiB® MB0500 provides superior abrasion resistance without affecting hardness or color.

KEY FEATURES

- Improves abrasion resistance and reduces wear loss.
- Maintains hardness and color of final products.
- Provides excellent processing performance and surface appearance.
- Environmentally friendly.

PHYSICAL PROPERTIES

Color and Appearance	White pellet
Silicone Content (%)	50
Resin Base	EVA
Dosage (%)	0.5~5

These values are typical and are not intended for use as specifications

APPLICATIONS

SiSiB® MB0500 is widely used in EVA and PVC shoe soles, EVA compounds, and other EVA-compatible plastics. Even at low dosages, it significantly improves abrasion resistance and reduces wear loss without affecting hardness or color.

USAGE GUIDELINES

Anti-wear silicone masterbatch SiSiB® MB0500 can be processed using the same methods as its polymer carrier, and is suitable for conventional melt compounding techniques such as single- or twin-screw extrusion and injection molding.

For optimal dispersion, it is recommended to physically pre-blend the masterbatch with the base polymer before processing.

PACKING

SiSiB® MB0500 is supplied in 25kg craft paper bag.

HANDLING

This document does not contain the product safety information required for

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safe use. Before handling, please refer to the product and safety data 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® MB0500 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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