

SiSiB® MB13050 Silicone-EBA Masterbatch

INTRODUCTION

SiSiB® MB13050 is a silicone masterbatch based on polydimethylsiloxane (PDMS) dispersed in an Ethylene-Butyl Acrylate (EBA) carrier resin. It is designed as an efficient processing aid and surface modifier for thermoplastic compounds, providing improved processing behavior and enhanced surface performance.

BENEFITS

- Improves resin flowability during extrusion and injection molding
- Reduces extrusion die drool and processing torque
- Enhances mold filling and mold release
- Provides surface slip with reduced coefficient of friction
- Improves scratch, mar, and abrasion resistance
- Enables higher throughput and reduced defect rate
- Improved processing stability compared with conventional lubricants

PHYSICAL PROPERTIES

Color and Appearance:	White pellet
Silicone Content (%):	50
Resin Base:	EBA
Recommended Dosage (%):	0.5-5.0

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® MB13050 is suitable for use as a processing aid and surface performance modifier in thermoplastic systems. It is commonly applied to improve processing efficiency and surface quality in extrusion and injection-molded products.

USAGE GUIDELINES

- Recommended addition level: 0.1-5.0 wt%, depending on formulation and performance requirements
- Can be processed using standard melt-processing technologies, including extrusion, injection molding, blow molding, and thermoforming
- A physical dry blend with virgin polymer pellets prior to processing is recommended.
- Typical processing temperatures reported for similar PDMS-EBA silicone masterbatches are in the range of 150-290°C.

PACKING

SiSiB® MB13050 is supplied in 25Kg craft paper bag.

SiSiB[®] MB13050 Silicone-EBA Masterbatch

HANDLING

This document does not contain the product safety information required for 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[®] MB13050 has a shelf life of 24 months from the production date when stored in a cool and well-ventilated 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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