

SiSiB® SiM4018 PET-Based Silicone Wax Masterbatch

INTRODUCTION

SiSiB® SiM4018 is a modified silicone wax masterbatch based on a PET carrier. It is developed for PET, PBT and related engineering plastics to improve surface durability and processing performance.

SiSiB® SiM4018 increases scratch and abrasion resistance while maintaining surface gloss and appearance. It also improves lubrication and mold release during processing and enhances the hydrophobic and oleophobic properties of finished parts.

BENEFITS

- Improves scratch and abrasion resistance
- Increases surface gloss and smoothness
- Improves lubrication and mold release
- Enhances hydrophobic and oleophobic performance
- Helps maintain long-lasting surface appearance

PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Carrier:	PET
Melt Flow Index (280°C, 2.16kg):	130-160
Recommended Dosage (%):	1.0-5.0

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® SiM4018 is suitable for PET, PBT and other engineering plastics where improved scratch resistance, abrasion resistance, lubrication, mold release and surface appearance are required. It is also effective in increasing the hydrophobicity and oleophobicity of finished products.

USAGE GUIDELINES

SiSiB® SiM4018 may be dry blended with resin pellets before injection molding or incorporated through twin-screw compounding. The optimum dosage should be determined according to the formulation and processing conditions.

PACKING

SiSiB® SiM4018 is supplied in 25 kg bags with a PE inner liner and a paper-plastic outer 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

Store in a cool, dry, and well-ventilated place. SiSiB® SiM4018 has a shelf life of 12 months from the date of production when stored in its original unopened packaging.

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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