

SiSiB® SiM4062 Silicone Hyperdispersant

INTRODUCTION

SiSiB® SiM4062 is a copolymeric polysiloxane additive designed for use in thermoplastics and thermoplastic elastomers (TPE, TPU, etc.). It functions as a processing and performance enhancer, improving pigment and filler dispersion, reducing melt viscosity, and enhancing the surface properties of end products.

BENEFITS

- Improves compatibility of pigments/fillers with polymer systems
- Enhances pigment dispersion and stability
- Reduces melt viscosity, extrusion torque, and extrusion pressure
- Provides excellent processing lubrication and improves efficiency
- Delivers smooth surface feel, slip effect, and scratch/wear resistance
- Prevents blooming or surface migration

PHYSICAL PROPERTIES

Color and Appearance:	White to Yellowish Pellet
Active Content (%):	100
Melting Point (°C):	50-70
Decomposition Temperature (°C):	Min.250

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

APPLICATIONS

SiSiB® SiM4062 is widely applied in engineering plastics and thermoplastic elastomers such as TPE and TPU. It enhances the compatibility and dispersion of pigments and fillers, reduces melt viscosity and extrusion torque, and improves processing efficiency.

At the same time, it provides the final products with smooth surface feel, slip effect, and excellent scratch and wear resistance without surface blooming.

USAGE GUIDELINES

SiSiB® SiM4062 can be added directly into polymer compounds or premixed with masterbatches/powders.

Recommended dosage: 0.5-2.5%

Pre-tests are recommended to determine the optimal dosage.

PACKING

SiSiB® SiM4062 is supplied in 25kg, craft paper bag.

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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® SiM4062 has a shelf life of 12 months at dry condition, room temperature.

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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