

SiSiB® SiM4028 Silicone Additive for PET Film

INTRODUCTION

SiSiB® SiM4028 is a PET-based modified silicone additive supplied in pellet form. It is designed primarily as a slip and processing additive for PET films.

SiSiB® SiM4028 effectively reduces the surface coefficient of friction, improves surface smoothness and processing lubricity, and enhances film gloss. Its specially designed molecular structure provides good compatibility with PET, minimizes migration and blooming, and has minimal impact on film transparency and subsequent surface treatment.

FEATURES & BENEFITS

- Effectively reduces the surface coefficient of friction
- Improves film smoothness and slip performance
- Enhances processing lubricity and processability
- Improves surface quality and gloss
- Good compatibility with PET
- Minimal migration and blooming
- Minimal impact on transparency and subsequent surface treatment

PHYSICAL PROPERTIES

Color and Appearance:	White Pellet
Volatiles (% , 105°C, 2h)	Max.2.0
Decomposition Temperature (TGA)	Min.300°C

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® SiM4028 is recommended for PET films requiring improved surface slip, lower coefficient of friction, better processability, enhanced surface smoothness, and higher gloss.

USAGE GUIDELINES

A dosage of 0.5-5.0% is generally recommended. SiSiB® SiM4028 may be dry-blended with PET resin pellets before processing.

The optimum dosage should be determined through application testing according to the required surface properties and processing conditions.

SiSiB® SiM4028 should be dry blended uniformly with PET resin prior to extrusion. It is compatible with conventional PET processing equipment and standard processing conditions.

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PACKING

SiSiB® SiM4028 is supplied in 25Kg craft paper bag with PE inner liner.

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

Store in a cool, dry place at a temperature below 40°C. Keep the packaging tightly sealed and protect the product from moisture to prevent agglomeration.

In the original unopened packaging, SiSiB® SiM4028 has a shelf life of 24 months from the date of manufacture.

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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