

SiSiB® SP1060 Siloxane Powder

INTRODUCTION

SiSiB® SP1060 is a silicone powder composed of ultra-high molecular weight polydimethylsiloxane (PDMS) and silica, designed for use as an additive in thermoplastic materials.

It is used to improve processing behavior and surface quality of thermoplastics during melt processing.

BENEFITS

- Improves melt flow and processing efficiency
- Reduces extrusion die drool and processing torque
- Enhances mold filling and release
- Improves surface slip and lowers coefficient of friction
- Increases abrasion and scratch resistance
- Enables higher throughput and fewer defects
- Enhances formulation stability versus conventional processing aids
- Slightly increases LOI and reduces heat release and smoke generation

PHYSICAL PROPERTIES

Color and Appearance:	White powder
Siloxane Content (%):	55
Silica Content (%):	45
Dosage (% , w/w):	0.2-2.0

These values are typical and not intended for specification purposes.

APPLICATIONS

SiSiB® SP1060 is suitable for use as processing aids in:

- Halogen-free flame-retardant wire and cable compounds
- PVC compounds
- Engineering compounds
- Pipes
- Plastic/filler masterbatches

USAGE GUIDELINES

The recommended addition level of SiSiB® SP1060 is 0.5-2.0%. It is strongly suggested to pre-blend SiSiB® SP1060 and thermoplastic pellets prior to introduction to extrusion process.

PACKING

SiSiB® SP1060 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

SiSiB® SP1060 should be stored in a cool, well-ventilated place. In the original unopened packaging, SiSiB® SP1060 has a shelf life of 24 months.

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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