

SiSiB® SP5060

Siloxane Powder

INTRODUCTION

SiSiB® SP5060 is a powder formulation which contains 55% ultra-high molecular weight siloxane polymer and 45% silica.

SiSiB® SP5060 is specially designed for polyolefin masterbatches to improve the dispersion property through better penetration in fillers.

SiSiB® SP5060 is more efficient without any migration problem compared with those traditional external additives like Amide, Wax, Ester.

BENEFIT

- Improve the fluidity and demoulding performance of plastic processing; lower torque, reduce equipment abrasion, facilitate mold filling, and reduce product defect rate.
- Significantly reduce the friction coefficient, improve the smoothness and the surface gloss, enhance the silky feeling of the surface, and improve the abrasion resistance and scratch resistance.
- Improve flame retardant properties and the impact strength of flame retardant (high filling) materials, reduce smoke density.
- Good stability and non-migration properties.

TYPICAL PHYSICAL PROPERTIES

Appearance	White powder
Siloxane content	55%
Dosage (%)	0.2 ~ 4

APPLICATIONS

SiSiB® SP5060 can be used in modified plastics, cable materials, elastomers, thin-walled complex parts, silicon core tubes.

SiSiB® SP5060 can be used in PVC cable materials to improve processing performance and surface smoothness.

SiSiB® SP5060 can be used in PA, PC, PPS and other engineering plastics with high processing temperatures to improve product fluidity, promote crystallization, improve surface floating fibers, and improve impact strength.

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Adding 2-4% to elastomers can achieve a good surface smoothness effect.

Use methods:

Mix SiSiB® SP5060 and resin in proportion and granulate directly. When used for processing plastics that are sensitive to moisture, please dry at 150°C for 2-4 hours.

Recommend dosage:

While the dosage is 0.5%-1.0%, the processability, fluidity and demoulding properties of the product can be improved; while the dosage is 1.0%-4.0%, the surface properties of the product (smoothness, finish, scratch resistance, wear resistance, etc.) can be improved.

PACKING AND STORAGE

SiSiB® SP5060 is supplied in 20Kg bag.

In the unopened original container SiSiB® SP5060 has a shelf life of 24 months in a dry and cool place.

NOTES

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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Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com.