

SiSiB[®] SP1050

Siloxane Powder

INTRODUCTION

SiSiB[®] SP1050 is a super slip thermoplastic additive containing 55% ultra-high molecular weight siloxane polymer and 45% silica.

SiSiB[®] SP1050 could be used as an additive in almost all thermoplastics polymer to improve processing properties, surface quality and mechanical property.

BENEFIT

- Improved slip properties
- Improved lubricity.
- Reduced coefficient of friction.
- Improved mold-filling and mold release
- Increased fabrication line throughput.
- Reduced energy usage in processing.
- Improved mar resistance.

TYPICAL PHYSICAL PROPERTIES

Appearance	White powder
Siloxane content	55%
Dosage	0.5~5%

APPLICATIONS

SiSiB[®] SP1050 is widely used to improve the lubricity and surface quality of plastics.

SiSiB[®] SP1050 can be used in modification of plastics, cable compounds, elastomers, thin-walled complicated parts, silicone core pipe, and plastic pipe etc.

SiSiB[®] SP1050 can be used in low smoke flame retardant PVC compounds and rigid PVC compounds.

SiSiB[®] SP1050 can be used in high temperature engineering plastics, which can improve the flow of the resin and processing properties, promote the crystallization of PA, improving the surface smoothness and impact strength.

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SiSiB[®] SP1050 can improve the surface finish without any bleeding when it is used in engineering plastics sheets.

SiSiB[®] SP1050 can be used to improve dispersion properties and make the surface more slip, prevent pigments reunion etc.

Use methods:

Pelleting/ Molding process is necessary for better performance when SiSiB[®] SP1050 mixed with the other materials at a certain proportion.

Recommend dosage:

It can improve the product's processing, liquidity and mold release when it is added at 0.5%-2%. At a high level, 1% to 5% can improve the surface properties (smoothness, finish, scratch resistance and abrasion resistance).

PACKING AND STORAGE

SiSiB[®] SP1050 is supplied in 25Kg craft paper bag.

In the original unopened packaging, SiSiB[®] SP1050 has a shelf life of 24 months at dry condition, room temperature.

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: support@SiSiB.com.