

# SiSiB® FS5170

## Hydrophobic Fumed Silica

### INTRODUCTION

SiSiB® FS5170 is a hydrophobic fumed silica after treated with DDS (Dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 200m<sup>2</sup>/g.

### FEATURES

- Higher hydrophobic feature, thixotropic, thickening effect, transparency and reinforcement.
- Thixotropy and reinforcement in RTV silicone sealants, the hydrophobic feature gives RTV silicone sealants a long shelf-life.
- Rheology control in adhesives.
- Improve the free flow of powder coatings and anti-caking.
- Improvement of anti-setting, anti-sagging and thixotropy control.

### TYPICAL PHYSICAL PROPERTIES

CAS No.	68611-44-9
Specific surface area (BET)	150 - 190 m <sup>2</sup> /g
pH-Value in 4 % aqueous dispersion (1:1 mixture of water and ethanol)	3.7 - 4.5
Loss on drying (2h at 105°C) wt.%	Max. 0.7
Loss on ignition (2h at 1000°C) wt.%	Max. 2.5
Silica content (based on ignited material) wt.%	Min. 99.8
Tamped density (2h at 105°C) g/L	40 - 60
Carbon content (2h at 105°C) wt.%	0.7-1.3

### APPLICATIONS

- RTV silicone sealants, especially electronic potting.
- Adhesives and Sealants.
- Coatings, Printing ink.
- Powder Coatings.

### PACKING AND STORAGE

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# SiSiB<sup>®</sup> FS5170

## *Hydrophobic Fumed Silica*

SiSiB<sup>®</sup> FS5170 is supplied in multiple layer 10 kg bags.

20'ft GP container can load 1800kg with 10 pallets; 40'ft HQ container can load 4000kg with 20 pallets.

In the original unopened packaging, SiSiB<sup>®</sup> FS5170 has a shelf life of 24 months under dry conditions.

### 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](mailto:support@SiSiB.com).