

SiSiB® FA0100 Fumed Aluminum Oxide

INTRODUCTION

SiSiB® FA0100 is a fumed aluminium oxide (Al_2O_3) with high specific surface area, presented as a white, fluffy powder. The positive surface charge of fumed alumina enables it can be used in many applications with special proper-ties and functions.

FEATURES

- High specific surface area and high purity
- Super fine particle size
- Good dispersion performance
- Low bulk density
- Positive surface charge

PHYSICAL PROPERTIES

CAS No.	1344-28-1
EINECS No.	215-691-6
Specific surface area (BET, m^2/g)	85-115
Al_2O_3 content (300°C, 2h, %)	Min.98.0
Loss on ignition (300°C, 2h, %)	Max.2.0
pH-Value (in 4 % dispersion)	Min.3.9
Crystal Structure	Anatase and rutile mixed crystal structure

APPLICATIONS

SiSiB® FA0100 is used for separators in lithium batteries to increase thermal stability & safety. It can improve chargeability & flow ability for powder coatings & printing ink.

SiSiB® FA0100 can be used in different types of thermal board and fluorescent coating powders in lighting industry to uniform light output, reduce light attenuation and UV harms.

SiSiB® FA0100 can enhance charge adsorption of melt-blown electret masterbatch and its super fine powder enables to improve gloss & ink absorption of papers.

PACKING

SiSiB® FA0100 is supplied in multiple layer 10 kg bags.

HANDLING

This document does not contain the product safety information required for

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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

In the original unopened packaging, SiSiB® FA0100 has a shelf life of 12 months under dry conditions.

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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We disclaim liability for any incidental or consequential damages.