

# Technical Data Sheet

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## PRODUCT INTRODUCTION

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- Name: Fumed silica
- Molecular formula: SiO<sub>2</sub>
- Molecular weight: 70
- Product standard: GB/T 20020-2013 Fumed silica
- Appearance: Fluffy white powder.
- Technical indexes

Item	Indexes
The nitrogen adsorption specific surface area / (m <sup>2</sup> / g)	Typical values ± 30
Loss on ignition / % ≤	2.5
Silica content / % ≥	99.8
Suspension PH	3.7 ~ 4.5
Al <sub>2</sub> O <sub>3</sub> content / (mg / kg) ≤	400
TiO <sub>2</sub> content / (mg / kg) ≤	200
Fe <sub>2</sub> O <sub>3</sub> content / (mg / kg) ≤	30
Carbon content / % ≤	0.2
Chloride content / (mg / kg) ≤	250
105°C volatiles / % ≤	3.0
Tap density / (g / dm <sup>3</sup> )	30 ~ 60
45 μ m screenings / (mg / kg) ≤	250

- Applications: Due to its small particle size, specific surface area is big, therefore the surface adsorption power, surface energy, high chemical purity, good dispersion performance, heat resistance, resistance has specific performance, with its excellent stability, reinforcing, thickening and thixotropy, and unique features in the field of the academic disciplines, having the effect that cannot replace. Widely used in various industries as additive, catalyst carrier, petrochemical industry, decoloring agent, matting agent, rubber reinforcing agent, plastic filling agent, ink thickener, soft metal polishing agent, insulation insulation filler, senior daily cosmetics packing and spraying materials, medicine, environmental protection and other fields.
  - Hazard characteristics: This product storage and transportation according to non-dangerous goods.
  - Package storage and transportation: this product hydroscopicity is strong, with more than three layers of kraft paper valve bag packaging, using vacuum packaging machines, automatic packaging. Net content of each bag is 10 kg, forming rules of full cuboid. Please store in a cool, dry place, transport with rain or pollution prevention measures.
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