

# Fumed Silica

Is hydrophilic/hydrophobe fumed silica with a specific surface area of 200 m<sup>2</sup>/g.

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## Technological data

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### Applications

- Paint and coatings
  - Unsaturated polyester resins, laminating resins and gel coats
  - HTV- and RTV-2K-silicone rubber
  - Adhesives and sealants
  - Printing inks
  - Cable compounds and cable gels
  - Plant protection
  - Food and cosmetics
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### Properties

- Rheology and thixotropy control of liquid systems, binders, polymers, etc.
  - Used as anti-settling, thickening and anti-sagging agent.
  - Reinforcement of HTV- and RTV-2K silicone rubber.
  - Improvement of free flow and anticaking characteristics of powders.
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### Packaging and Storage

Fumed Silica is supplied in multiple layer 7 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. Fumed Silica should be used within 2 years after production.

# Fumed Silica

## Physico-chemical Data

Properties	Unit	Typical Value
Specific surface area (BET) acc. to DIN 66131	m <sup>2</sup> /g	ca. 200 ± 50
Average primary particles size	nm	12
Tapped density (approx. value)* acc. to DIN ISO 787/11	g/l	approx. 50
Moisture* 2 hours at 105° C	wt.%	≤ 2.0
Ignition loss 2 hours at 1000°C based on material dried for 2 hours at 105°C	wt.%	≤ 2.0
pH in 4% dispersion acc. to DIN ISO 787/9		3.0 – 5.0
SiO <sub>2</sub> -content Based on ignited material acc. to DIN 55921	wt.%	≥ 99
Density SiO <sub>2</sub>	g/l	2200

\*ex plant.

The data represents typical values and not production parameters.