



FUMED SILICA A200

Description

It is a kind of hydrophilic fumed silica₂ with a specific surface area of 200 m²/g. It's high purity white colloidal powder.

Applications

- HTV and RTV silicone rubber
- Adhesives and sealants
- Paints, coatings and pigments
- Printing inks
- Cable compounds
- Unsaturated polyester resins, laminated resins and Gel coats

Packaging and Storage

- It is supplied in 10kg kraft paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

Advantages

- Rheology and thixotropy control of liquid systems, binders, polymers, etc.
- Used as anti-settling, thickening, anti-sagging agent
- Improvement of free flow and anti-caking characteristics of powders
- High transparency
- Reinforcement filler in elastomers

Properties

Properties and test methods	Unit	Typical Value	Standardization
Specific surface area (BET)	m ² /g	200 ± 10	GB/T 20020-2013
pH value (in 4% dispersion)		≥ 4.1	GB/T 20020-2013
Loss on drying (2 hours at 105 °C)	Wt%	≤ 0.8	GB/T 20020-2013
Loss on ignition (2 hours at 1000 °C, based on material dried for 2 hours at 105 °C)	Wt%	≤ 2.0	GB/T 20020-2013
Sieve residue (45 μm)	mg/kg	≤ 250	GB/T 20020-2013
Silica content (based on ignited material)	Wt%	≥ 99.8	GB/T 20020-2013
Tamped density (based on material dried for 2 hours at 105 °C)	g/L	40 ~ 60	GB/T 20020-2013
Carbon content (based on material dried for 2 hours at 105 °C)	Wt%	≤ 0.2	GB/T 20020-2013
Aluminium oxide content	mg/kg	≤ 200	GB/T 20020-2013
Ferric oxide content	mg/kg	≤ 30	GB/T 20020-2013
Titanium oxide content	mg/kg	≤ 200	GB/T 20020-2013
Chloride content	mg/kg	≤ 250	GB/T 20020-2013