UPSIL® 200
HYDROPHILIC FUMED SILICA

Description

UPSIL® 200 is a kind of hydrophilic fumed silica with a specific surface area of 200 m^2/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

- UPSIL® 200 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 ± 25	GB/T10722
pH value (in 4% dispersion)		3.6 ~ 4.5	GB/T1717
Loss on drying (2 hours at 105 °C)	Wt%	≤ 1.5	GB/T5211.3
Loss on ignition (2 hours at 1000 °C, based on material dried for 2 hours at 105 °C)	Wt%	≤ 2.5	GB/T20020
Sieve residue (45 μm)	%	≤ 0.05	GB/T5211.14
Silica content (based on ignited material)	Wt%	≥ 99.8	GB/T20020
Tamped density (based on material dried for 2 hours at 105 °C)	g/L	25 ~ 60	GB/T5211.4
Carbon content (based on material dried for 2 hours at 105 °C)	Wt%	≤ 0.2	GB/T20020

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