

## HJSIL® R272

### Hydrophobic fumed silica

#### Characteristics

HJSIL® R272 is a kind of hydrophobic fumed silica, treated with DDS (Dimethyldichlorosilane). It's high purity white colloidal powder.

#### Packaging and storage

HJSIL® R272 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.

#### Applications

- RTV silicone rubber and silicone sealants
- Adhesives and sealants
- Paints and coatings
- Printing inks and toner
- Cable compounds and gels

#### Properties

- Used as thickening, thixotropic, reinforcement in RTV silicone rubber
- Rheology control of adhesive
- Used as anti-settling, thickening, anti-sagging agent in coatings, inks
- Improvement of free flow and anti-caking characteristics of powders

#### Characteristic physico-chemical data

Properties and test methods	Unit	Typical value	Standardization
Specific surface area (BET)	m <sup>2</sup> /g	110 ± 20	GB/T20020
pH value (in 4% dispersion)		3.8 ~ 5.0	GB/T20020
Loss on drying (2 hours at 105 °C)	Wt%	≤ 0.5	GB/T20020
Loss on ignition (2 hours at 1000 °C, based on material dried for 2 hours at 105 °C)	Wt%	≤ 2.0	GB/T20020
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	40 ~ 60	GB/T20020
Carbon content (based on material dried for 2 hours at 105 °C)	Wt%	0.6 ~ 1.2	GB/T20020

#### Contact information

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