

## HB-215 Fumed Silica

### Characteristics

HB-215 is a hydrophobic fumed silica after treated with DDS (Dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 150 m<sup>2</sup>/g. It's a kind of high purity white colloidal powder.

### Applications

- Paints and Coatings
- Elastomers, especially HTV and RTV Silicone rubber
- Adhesives and Sealants
- Printing inks
- Cable compounds
- Plant protection

### Properties

- Reinforcement filler in elastomers
- Rheology and thixotropy control of liquid systems
- Used as anti-settling, thickening, anti-sagging agent
- Improvement of free flow and anti-caking characteristics of powders
- Water resistant, hydrophobising of liquid systems
- Improves hydrophobicity and rheology of offset printing inks

### Physicochemical Data

Properties	Unit	Typical Value	Standardization
Specific surface area(BET)	m <sup>2</sup> /g	130±25	GB/T 20020-2005
pH-value in 4% dispersion(1:1 mixture of water and ethanol)		3.6 ~ 4.7	ISO787-9
Loss on drying( 2h @ 105°C)	%	≤1.0	ISO787-2
Loss on ignition(2h @ 1000°C, based on material dried for 2h @ 105°C)	%	≤5.0	ISO3262-1
Sieve residue(45µm)	%	≤0.05	ISO787-18
Silica content(based on ignited material)	%	≥99.8	ISO3262-20
Tamped density(based on material dried for 2h @ 105°C)	g/L	25 ~ 60	ISO787-11
Carbon content(based on material dried for 2h @ 105°C)	%	0.3~0.7	ISO3262-20

### For further information please contract:

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