

## HL-300 Fumed Silica

### Characteristics

HL-300 is a hydrophilic fumed silica with a specific surface area of 300 m<sup>2</sup>/g. It's a kind of high purity white colloidal powder.

### Applications

- ★ Paints and Coatings
- ★ Silicone rubber and other elastomers
- ★ Cable compounds and unsaturated Polyester resins
- ★ Adhesives and Sealants
- ★ Printing inks

### Properties

- ★ Reinforcement filler in elastomers
- ★ 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
- ★ Excellent transparency in unsaturated polyester resins

### Physicochemical Data

Properties	Unit	Typical Value	Standardization
Specific surface area(BET)	m <sup>2</sup> /g	300±30	GB/T 20020-2005
pH-value in 4% dispersion		3.6 ~ 4.5	ISO787-9
Loss on drying( 2h @ 105°C)	%	≤1.5	ISO787-2
Loss on ignition(2h @ 1000°C, based on material dried for 2h @ 105°C)	%	≤2.5	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)	%	≤0.2	ISO3262-20

### For further information please contact :

ENERGYCO LTD.                      Contact: Jack Wang  
Tel +8625-83719363, +86-1395-1023-282  
Fax +8625-83720477                      E-mail: wangdongcn@vip.sina.com

The data presented in this document is based on our best knowledge. We disclaim any warranty and liability whatsoever as to accuracy and completeness of such information as well as to the potential infringement of any proprietary rights. We reserve the right to alter product constants within the scope of technical progress or new developments. Any user of our products shall bear the full risk connected to their use including but not limited to their properties and fitness for any purpose.