

HL-200 Fumed Silica

Characteristics

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

Applications

- ★ Paints and Coatings
- ★ Unsaturated polyester resins, Laminated resins and Gel coats
- ★ Elastomers, especially HTV and RTV Silicone rubber
- ★ Adhesives and Sealants
- ★ Printing inks
- ★ Cable compounds
- ★ Plant protection
- ★ Food and Cosmetics

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
- ★ High transparency

Physical-chemical Data

Properties	Unit	Typical Value	Standardization
Specific surface area(BET)	m ² /g	200±30	GB/T 20020-2005
pH-value in 4% dispersion		3.6 ~ 4.5	ISO787-9
Loss on drying(2h @ 105°C)	%	≤3	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

Packing multiply plastic-lined paper bags of 10kgs on shrink-wrapped pallets (8 layers) of 160kg, then 3200kgs in 1x40FCL

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