

HL-150 Fumed Silica

Characteristics

HL-150 is a hydrophilic fumed silica with a specific surface area of 150 m²/g. It's a kind of high purity white colloidal powder.

Applications

- RTV and RTV Silicone rubber
- Adhesives and Sealants
- Paints and Coatings

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

Physicochemical Data

Properties	Unit	Typical Value	Standardization
Specific surface area(BET)	m ² /g	150±25	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

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