

HIFULL HL-90

HYDROPHILIC

FUMED SILICA

HL-90 is hydrophilic fumed silica synthesized from the hydrolysis of high purity chlorosilane in a flame of oxygen and hydrogen at temperature over 1000°C. Its specific surface area is around 100m²/g.

01 Applications

- Surface-treatment for base materials
- Polish & Grind
- Coatings, Printing inks
- Resins, Plastics, Thermal Materials, Fire-proof Materials
- Personal Care Products
- Food
- Constructional Materials

02 Properties

- Excellent dispersion in liquid system
- High filler for organosilicon and adhesives
- Glossiness adjust for paints and coating films
- Polishing and grinding additives for base materials like metals or glass
- Flow aid or anti-caking agent for powder products

03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m ² /g	100±20	GB/T 20020
pH value in 4% dispersion	—	3.9~4.5	GB/T 20020
Loss on drying (2 hours at 105°C)	%	≤1.0	GB/T 20020
Loss on ignition (2 hours at 1000°C, based on material dried for 2 hours at 105°C)	%	≤1.5	GB/T 20020
Tamped Density (Based on material dried at 105°C for 2 hours)	g/L	45~60	GB/T 20020
Sieve Residue (45μm)	mg/kg	≤250	GB/T 20020
Silica Content (Based on ignited material)	%	≥99.8	GB/T 20020

※ customized products available for special physical or chemical data