

HIFULL HL-450

HYDROPHILIC

FUMED SILICA

HL-450 is hydrophilic fumed silica synthesized from the hydrolysis of high purity chloresilane in a flame of oxygen and hydrogen at temperature over 1200°C. Its specific surface area is around 450m²/g.

01 Applications

- High transparent LSR and adhesives
- Coatings & Printing Inks
- Deformers
- Carrier
- Personal Care Products
- Food
- Constructional Materials

02 Properties

- Reinforce materials for elastomers
- Excellent transparency in silicone rubbers
- Rheology control and thixotropic agent
- Good carrier adsorption

03 理化数据

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m ² /g	440±40	GB/T 20020
pH value in 4% dispersion	—	3.9~4.5	GB/T 20020
Loss on drying (2 hours at 105°C)	%	≤2.5	GB/T 20020
Loss on ignition (2 hours at 1000°C, based on material dried for 2 hours at 105°C)	%	≤2.5	GB/T 20020
Tamped Density (Based on material dried at 105°C for 2 hours)	g/L	40~60	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