



HIFULL HB-139

HYDROPHOBIC FUMED SILICA

HB-139 is hydrophobic fumed silica which is produced by hydrophilic fumed silica with specific surface area of 200m²/g after chemical post-treatment with PDMS (Polydimethylsiloxane).

01 Applications

- Silicone rubber
- Coatings & printing ink
- Adhesives & Sealants
- Greases & cable gel
- Unsaturated resin
- Powders

02 Properties

- Good thickening and thixotropic property,
- Good anti-sagging properties and excellent stability in epoxy resin
- Excellent reinforcing properties in silicone rubber, especially at high filler loading levels and no crepe hardening on aging
- Well suited for transparent system products
- High hydrophobicity, free flow aid for powder coatings

03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m ² /g	110±30	GB/T 20020
Carbon Content (Based on material dried at 105°C for 2 hours)	%	4.0~7.0	GB/T 20020
PH (4% suspension) (water : ethanol is 1:1)	—	4.0~7.0	GB/T 20020
Loss on drying(2 hours at 105°C)	%	≤0.7	GB/T 20020
Loss on ignition (2 hours at 1000°C, based on material dried for 2 hours at 105°C)	%	≤10.0	GB/T 20020
Tamped Density (Based on material dried at 105°C for 2 hours)	g/L	45~70	GB/T 20020
Silica Content (Based on ignited material)	%	≥99.8	GB/T 20020

※ customized products available for special physical or chemical data