

HIFULL HB-151

HYDROPHOBIC FUMED SILICA

HB-151 is hydrophobic fumed silica which is produced by hydrophilic fumed silica with specific surface area of 150m²/g after chemical post-treatment with DDS(Dimethyldichlorosilane).

01 Applications

- RTV silicone rubber, especially RTV-T
- Adhesives & Sealants
- Coatings & Printing ink
- Powder Coating

02 Properties

- Thixotropy and reinforcement in RTV silicone sealants, the hydrophobic feature gives RTV silicone sealants a long shelf-life
- Rheology control in adhesives
- Anti-settling, anti-sagging and thixotropy control
- Free flow aid and anti-caking aid for powders

03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m ² /g	130±30	GB/T 20020
Carbon Content (Based on material dried at 105°C for 2 hours)	%	0.6~1.2	GB/T 20020
PH (4% suspension) (water : ethanol is 1:1)	—	≥3.9	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)	%	≤2.5	GB/T 20020
Tamped Density (Based on material dried at 105°C for 2 hours)	g/L	40~60	GB/T 20020
Silica Content (Based on ignited material)	%	≥99.8	GB/T 20020

※ customized products available for special physical or chemical data