

# HIFULL HB-152

## HYDROPHOBIC FUMED SILICA

HB-152 is hydrophobic fumed silica which is produced by hydrophilic fumed silica with specific surface area of 200m<sup>2</sup>/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

- Higher hydrophobicity, thixotropy, thickening, transparency and reinforcement
- Thixotropy and reinforcement in RTV silicone rubber, the hydrophobic feature enables long shelf-life
- Rheology control in adhesives
- Anti-settling, anti-sagging agent, thixotropic control in coating and inks
- Free flow aid and anti-caking aid for powders

### 03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m <sup>2</sup> /g	170±30	GB/T 20020
Carbon Content ( Based on material dried at 105°C for 2 hours)	%	0.8~1.6	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