

# HIFULL HB-701

## HYDROPHOBIC FUMED SILICA

HB-701 is surface-treated fumed silica with active silanol group modified by special silane.

### 01 Applications

- Paints & Coatings
- Plastics & Elastomers
- Dental composite materials

### 02 Properties

- Used as rheology control agent in composite liquid system
- Improve scratch resistance & abrasion resistance for paints & coatings ( UV coatings)
- Enhance mechanical properties, strength of composite materials and plastics

### 03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m <sup>2</sup> /g	150±25	GB/T 20020
Carbon Content ( Based on material dried at 105°C for 2 hours)	%	4.5~6.5	GB/T 20020
PH (4% suspension) ( water : ethanol is 1:1 )	—	4.0~6.0	GB/T 20020
Loss on drying( 2 hours at 105°C)	%	≤1.5	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