



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 ² /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