

HIFULL HB-615

HYDROPHOBIC FUMED SILICA

HB-615 is hydrophobic fumed silica which is produced by hydrophilic fumed silica with specific surface area of 150m²/g after chemical post-treatment with HMDS (Hexamethyldisilazane).

01 Applications

- Elastomers, HTV&RTV silicone rubber, LSR
- Coatings & Printing ink
- Adhesives and Sealants
- Toners
- Powder Coatings

02 Properties

- Reinforcing filler for elastomer, adhesives & sealants
- High hydrophobicity and stable thixotropy
- Anti-settling and anti-sagging agent in coatings and printing ink
- Improving dispersion and stability of pigment
- Rheological control for adhesives & sealants
- 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	140±20	GB/T 20020
Carbon Content (Based on material dried at 105°C for 2 hours)	%	1.0~1.7	GB/T 20020
PH (4% suspension) (water : ethanol is 1:1)	—	5.0~8.0	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)	%	≤4.0	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