

HIFULL HB-630

HYDROPHOBIC FUMED SILICA

HB-630 is hydrophobic fumed silica which is produced by hydrophilic fumed silica with specific surface area of 400m²/g after chemical post-treatment with HMDS (Hexamethyldisilazane).

01 Applications

- Elastomers, HTV silicone rubber and LSR
- Coatings & printing ink
- Defoamer
- Carbon Powder for Printer

02 Properties

- High reinforcement and transparency in HTV and LSR
- High hydrophobicity and stable thixotropy, Anti-settling and anti-sagging agents in coatings and printing ink
- With a large specific surface area, small particle size & good dispersion, it enables good defoaming performance
- Free flow aid and anti-caking aid for powders, improve stability

03 Physical & Chemical Data

Properties	Unit	Typical Value	Testing Standard
Specific Surface Area (BET)	m ² /g	270±30	GB/T 20020
Carbon Content (Based on material dried at 105°C for 2 hours)	%	2.5~4.0	GB/T 20020
PH (4% suspension) (water : ethanol is 1:1)	—	6.0~9.0	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)	%	≤5.0	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