

Hydrophobic Fumed Silica

Fusil[®] 220 is hydrophobic fumed silica after treated with HMDS (hexamethyldisilazane) based on a hydrophilic fumed silica with a specific surface area of 150 m²/g. It's a kind of high purity white colloidal powder.

Characteristic physico-chemical data

Test Item	Standard	Standardization
Specific Surface Area BET (m ² /g)	120±15	GB/T 10722
pH Value in 4% dispersion	5.5-7.5	GB/T 1717
Loss on Drying 2h@ 105°C (%)	≤0.5	GB/T 5211.3
Loss on Ignition 2h@ 1000°C (%)	≤4.0	GB/T 20020
SiO ₂ Content (based on ignited material)(%)	≥99.8	GB/T 20020
Tamped density (based on material dried for 2h@ 105°C) (g/l)	40-60	GB/T 5211.4
Carbon content (based on material dried for 2h@ 105°C) (%)	1.0-2.0	GB/T 20020

Applications

- Elastomer, eg : HTV & RTV silicone rubber, SLR
- Sealants and Silicone Adhesive
- Coatings, inks
- Powder coatings
- Negative Toners

Packing and storage

- Packaged in multiple layer Kraft paper, 10kg per bag
- Stored in aeration-drying storage areas for protecting the material from volatile substance.
- Should be used within 2 years after production.

Properties

- Reinforcement in elastomer, can effective prevent from the structurization and prolong the shelf-life of RTV silicone sealants.
- High hydrophobicity and stable thixotrophy, using in coatings and inks can prevent from anti-caking, anti-sagging, anti-thixotrophy.
- High hydrophobicity and rheology in Adhensives and Sealants.
- Improve the homogeneity and stability of pigment.
- Improve the free flow of powder coatings and anti-caking

Safety & Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from FVCH, Product Safety Department, E-MAIL info @ fuchangchem.com or can check from our homepage www.fuchangchem.com. We recommend to read carefully the safety data sheet prior to the use of our product.

Transportation

- 20'GP: 1.8 Mt, 10 pallets, 180KG/pallet.
- 40'GP: 3.6 Mt, 20 pallets, 180KG/pallet.
- 40'HQ: 4.0Mt, 20 pallets, 200KG/pallet.

Service

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Website: www.fuchangchem.com