

UPSIL® 150 HYDROPHILIC FUMED SILICA

Description

UPSIL® 150 is a kind of hydrophilic fumed silica with a specific surface area of 150 m²/g. It's high purity white colloidal powder.

Applications

- Sealants
- RTV-1K-silicone sealant
- HTV-silicone rubber

Packaging and Storage

- UPSIL® 150 is supplied in 10kg kraft paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

Advantages

- Improve reinforcing properties and thixotropy of RTV silicone sealants
- Improve reinforcing properties of HTV silicone rubber

Properties

Properties and test methods	Unit	Typical Value	Standardization
Specific surface area (BET)	m ² /g	150 ± 15	GB/T10722
pH value (in 4% dispersion)		3.6 ~ 4.5	GB/T1717
Loss on drying (2 hours at 105 °C)	Wt%	≤ 1.5	GB/T5211.3
Loss on ignition (2 hours at 1000 °C, based on material dried for 2 hours at 105 °C)	Wt%	≤ 2.5	GB/T20020
Sieve residue (45 μm)	%	≤ 0.05	GB/T5211.14
Silica content (based on ignited material)	Wt%	≥ 99.8	GB/T20020
Tamped density (based on material dried for 2 hours at 105 °C)	g/L	40 ~ 60	GB/T5211.4
Carbon content (based on material dried for 2 hours at 105 °C)	Wt%	≤ 0.2	GB/T20020