

**XYSIL® 380****Hydrophilic Fumed Silica****TECHNIQUE DATA SHEET**

**XYSIL® 380** is a hydrophilic Fumed Silica with a specific surface area of 380m<sup>2</sup>/g, and also known as Synthetic, Amorphous Silica, manufactured by a continuous flame hydrolysis process of silicon tetrachloride.

**Characteristic physico-chemical data**

Properties	Units	Guarantee value	Standardization
Specific surface area (BET)	m <sup>2</sup> /g	380±25	GB/T10722
pH-value (in 4% dispersion)		3.8-4.5	GB/T1717
Loss on drying, ex works( 2h @ 105℃)	wt%	<1.5	GB/T5211.3
Loss on ignition(2h @ 1000, based on material dried for 2h @ 105℃)	wt%	<2.5	GB/T20020
Sieve residue (45µm)	%	<0.05	GB/T5211.14
SiO <sub>2</sub> content (based on the substance heated at 1000℃ for 2 h)	wt%	>99.8	GB/T20020
Tamped density (based on material dried for 2h @ 105℃)	g/L	25~60	GB/T5211.4
Carbon content (based on material dried for 2h @ 105℃)	wt%	<0.2	GB/T20020
Appearance	Fine, white, amorphous powder		

At time of packaging.

**Applications and Properties**

Application:

- HTV Silicone Rubber, Liquid Silicone Rubber
- Paints and Coatings, Printing Inks
- Unsaturated polyester resins(UPR)
- Cable compounds
- Adhesive & Sealant

Functions:

- Rheology and thixotropy Control of polymers, liquids, etc
- The highest surface area resulting in the best thickening
- Reinforcement of HTV Silicone Rubber
- High Transparency
- Flow aid

**Packaging and Storage**

XYSIL® 380 is packaged in multiple layer kraft paper 10kg bags or 180Kg FIBCs on pallet, and should be stored in the original packaging in dry storage areas for protecting the material from volatile substance, and should be used in two years after production.

**Transportation:**

20'GP: 1800KG, 10 pallets, 180KG/pallet.

40'GP: 3600KG, 20 pallets, 180KG/pallet.

40'HQ: 4000KG, 20 pallets, 200KG/pallet.

Road Transportation: by requirement

**Registrations(substance or product components)**

Chemical Name	CAS NO.	REACH(EU)	KKDIK	K-REACH	TSCA	Customs Tariff Number
Silicon Dioxide	112945-52-5, 7631-86-9	Registered	Registered	Registered	Registered	281122(Internet); 2811229000(China)

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**Certificated by ISO9001 – ISO14001 – ISO45001 – SGS- REACH – KKDIK – K-REACH**