

**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 it is synthetic, hydrophilic, amorphous silica, produced via flame hydrolysis.

**Physico-chemical Data**

Properties	Units	Typical 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%	<2.0	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
Tapped 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

At time of packaging.

**Applications and Properties**

Application:

- ✧ HTV 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 and thixotropy
- ✧ Reinforcement of HTV Silicone Rubber
- ✧ High Transparency
- ✧ Flow aid

**Packing and Storage**

XYSIL® 380 is packaged in multiple layer kraft paper 10kg bags on pallet, and should be stored in the original packaging in dry storage areas for protecting the material from volatile substance.

**Transportation:**

Sea 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

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