

# XYSIL 300

**XYSIL300 Fumed Silica** is a kind of synthetic amorphous, nanoscale silicon dioxide with BET surface area of 300 m<sup>2</sup>/g. With its unique features of particle size, high purity, aggregated structure and low bulk density, it is widely used in fine chemicals such as Silicon Rubber, Paints and Unsaturated Polyester etc.



## Physico-chemical Data

Properties	Units	Typical Value	Standardization
Specific surface area (BET)	m <sup>2</sup> /g	300±25	GB/T10722
pH-value (in 4% dispersion)		3.8-4.5	GB/T1717
Loss on drying, ex works( 2h @ 105°C)*	wt%	<2.5	GB/T5211.3
Loss on ignition(2h @ 1000,based on material dried for 2h @ 105°C)*	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°C for 2 h)	wt%	>99.8	GB/T20020
Tamped density (based on material dried for 2h @ 105°C)	g/L	25~60	GB/T5211.4
Carbon content (based on material dried for 2h @ 105°C)	wt%	<0.2	GB/T20020

\*At time of packaging.

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# XYSIL 300

## Application:

- RTV silicone rubber
- HTV silicone rubber
- Paints and coatings, ink
- Unsaturated polyester resins
- Adhesive & Sealant

## Functions:

- Rheology and Thixotropy Control
- Used as anti-settling, thickening, anti-sagging agent
- Improve Free Flow and Suspension
- High Transparency
- Reinforcement

## Packing and Transport:

XYSIL 300 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.

- Sea Transportation  
20'GP: 1.6 Mt, 10 pallets, 160KG/pallet.  
40'GP: 3.2 Mt, 20 pallets, 160KG/pallet.  
40'HQ: 3.6 Mt, 20 pallets, 180KG/pallet.
- In-land Transportation: by requirement

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