

XYSIL[®] 300

Hydrophilic Fumed Silica

TECHNIQUE DATA SHEET

XYSIL[®] 300 is a hydrophilic Fumed Silica with a specific surface area of 300m²/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 ² /g	300±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 ₂ 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, Ink, Pigment
- Unsaturated polyester resins
- Adhesive & Sealant

Functions:

- Rheology and thixotropy Control
- Used as anti-settling, thickening, anti-sagging agent
- Free Flow and Suspension
- Reinforcement
- Excellent transparency

Packaging and Storage

XYSIL[®] 300 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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