

XYSIL® 300**Hydrophilic Fumed Silica****TECHNIQUE DATA SHEET**

XYSIL® 300 is a hydrophilic Fumed Silica with a specific surface area of 300m²/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 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
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, 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

Packing and Storage

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.

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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