

XYSIL® R170H**Hydrophobic Fumed Silica****TECHNIQUE DATA SHEET**

XYSIL® R170H is a Fumed Silica surface-treated with with DDS(Dimethyldichlorosilane) based on a hydrophilic fumed silica with a specific surface area of 250m²/g.

Physico-chemical Data

Properties	Units	Typical Value	Standardization
Specific Surface Area(BET)	m ² /g	170±20	GB/T10722
pH Value (in 4% dispersion)		3.7-4.7	GB/T10722
Loss on Drying, Ex Works (2h @ 105℃)	wt%	<0.5	GB/T1717
Loss on ignition(2h @ 1000,based on material dried for 2h @ 105℃)	wt%	<2.0	GB/T5211.3
Tamped density (based on material dried for 2h @ 105℃)	g/L	40~60	GB/T5211.14
SiO ₂ content(based on the substance heated at 1000℃ for 2 h)	wt%	>99.8	GB/T20020
Carbon content(based on material dried for 2h @ 105℃)	wt%	0.7-1.3	GB/T5211.4
Surface modification	Dimethyldichlorosilane		

At time of packaging.

Applications and Properties

Application:

- Paint,Coating,Polymer,
- Silicone Sealant, Silicone Rubber;
- Adhesive;
- Toner;
- Cosmetic;

Functions:

- Thickening, Thixotropic, Reinforcement, Rheology control, anti-settling in Ink, coating, paint, adhesive, sealant and silicone rubber ect.
- Improvement and maintenance of free flow and anticaking characteristics of powders.

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Certificated by ISO9001 – ISO14001 – ISO45001 – SGS- REACH – KKDIIK – K-REACH

Packing and Storage

XYSIL® R170H 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