

XYSIL® R170**Hydrophobic Fumed Silica****TECHNIQUE DATA SHEET**

XYSIL® R170 is a Fumed Silica aftertreated with **HMDS(hexamethyldisilazane)** based on a hydrophilic fumed silica with a specific surface area of 200m²/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)		6.0-7.5	GB/T10722
Loss on Drying, Ex Works (2h @ 105℃)	wt%	<1.0	GB/T1717
Loss on ignition(2h @ 1000,based on material dried for 2h @ 105℃)	wt%	<1.0	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%	1.5-2.5	GB/T5211.4
Surface modification	Hexamethyldisilazane		

At time of packaging.

Applications and Properties

Application:

- ✧ Paint&Coating,
- ✧ RTV Silicone Sealant, Silicone Rubber,
- ✧ Adhesive

Functions:

- ✧ As a thickening, thixotropic agent and anti-settling agent in coating, paint, adhesive, sealant and silicone ect.

Packing and Storage

XYSIL® R170 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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