

**XYSIL® R120H****Hydrophobic Fumed Silica****TECHNIQUE DATA SHEET**

**XYSIL® R120H** is a hydrophobic Fumed Silica surface treated with PDMS(Polydimethylsiloxane) based on a hydrophilic fumed silica with a specific surface area of 150m<sup>2</sup>/g .

**Physico-chemical Data**

Properties	Units	Typical Value	Standardization
Specific Surface Area(BET)	m <sup>2</sup> /g	120±20	GB/T10722
pH Value (in 4% dispersion)		4.5-6.5	GB/T10722
Loss on Drying, Ex Works ( 2h @ 105°C)	wt%	<0.5	GB/T1717
Tamped density (based on material dried for 2h @ 105°C)	g/L	50~70	GB/T5211.14
SiO <sub>2</sub> content(based on the substance heated at 1000°C for 2 h)	wt%	>99.8	GB/T20020
Carbon content(based on material dried for 2h @ 105°C)	wt%	3.5-5.5	GB/T5211.4
Surface Modification	Polydimethylsiloxane		

At time of packaging.

**Application s and Properties**

Application:

- Paint&Coating (Epoxy, Polyurethane);
- Adhesive & Sealant (Epoxy, Polyurethane);
- Epoxy, vinylester resins and gelcoats;
- Pigment, toner and Ink;

Functions:

- Excellent thickening and thixotropic efficiency;
- Good sag resistance and anti-settling efficiency;
- Improves resistance to environmental factors, e.g. water, humidity, and corrosion resistance;
- Very good flowability in powder system;

**Packing and Storage**

XYSIL® R120H 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.

**Transportation:**

Sea Transportation  
 20'GP: 1800KG, 10 pallets, 180KG/pallet.  
 40'GP: 3600KG, 20 pallets, 180KG/pallet.  
 40'HQ: 4000KG, 20 pallets, 200KG/pallet.

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