

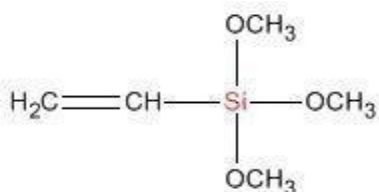
## SILANE 171

### DESCRIPTION

Chemical name: Vinyltrimethoxysilane

Molecular Formula:  $\text{CH}_2=\text{CHSi}(\text{OCH}_3)_3$

Chemical structure:



**Equivalent Brand:** A-171(Momentive); KBM-1003(ShinEtsu);Z-6300(Dowcorning);  
XL10(Wacker);VTMO(Degussa)

Silane 171 is colorless transparent liquid, have the ester like odour, soluble in most organic solvent,insoluble in the water if PH is 7,but soluble in water if PH is 3.0 to 3.5.

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### TECHNICAL INDEX

Property	Specification
Physical Form	Clear liquid
Specific Gravity at 20°C,g/cm <sup>3</sup>	0.960 - 0.980
Refractive index (nD 25°C)	1.3920-1.3940
Purity, %	Min 99.0
Molecular Weight:	148.23
CAS NO.	2768-02-7

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## APPLICATION

Silane 171 can be used in variety of applications, including:

### **Polymers**

- Improve using temperature, anti-pressure pyrolysis, memory, wear resistance and impact resistance.
- Suitable polymer include polyethylene, polypropylene, unsaturated polyester, etc.

### **Sealant and Adhesive**

- Improve adhesion
- Suitable resin include acrylic, vinyl and vinyl acrylic resin

### **Others**

Be used as coupling agent, improve the adhesion between organic and inorganic materials.

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### **Paints and coatings**

- Improve adhesion
- Improve weather/dust resistance.
- Especially acrylic acid type.

### **Cable and Pipe**

- Silane crosslinked polyethylene(XLPE)
- Improve resistant to high temperature and excellent mechanic strength.

## PACKING

Silane 171 is available in 190kg iron drums, 950kg IBC drums, or other packing on request.

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## STORAGE

Caution During Transportation: UN NO: 1993, Hazard Class:3, Packing Group:III  
Keep container tightly closed and store in a cool, well ventilated place.

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## SHELF LIFE

Original characteristics remain intact for 1 years, if kept in recommended storage.

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