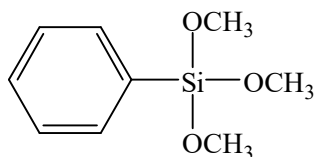

Phenyltrimethoxysilane

RK-G31

Product description

Structural formula:



Molecular formula: C₉H₁₄O₃Si

Molecular weight: 198.29

CAS No. : 2996-92-1

Chemical name: phenyltrimethoxysilane

peculiarity

- Colorless transparent, low viscosity liquid. Soluble in alcohols, chain hydrocarbons and aromatic hydrocarbons and other organic solvents.
- It contains one methyl group and three hydrolyzable alkoxy groups.
- React with inorganic materials.
- It can be hydrolyzed to form an elastomer or a hydrophobic layer.

Physical and chemical data

nature	Numerical value
appearance	Colorless transparent liquid
purity	≥98.0%
Density 20°Cg/ml	1.062-1.072



Boiling point 760mmHg	233℃
Closed cup flash point	92℃
Refractive index 25℃	1.465-1.475

Note: The above data is for reference only and cannot be used as technical specifications

Reaction property

In many sol-gel systems, RK-G31 can be partially hydrolyzed to form a prepolymer to further promote crosslinking at a certain temperature. This pre-hydrolysis is often used in conjunction with methyl trimethoxysilane, silicone functional groups, silicates, or water-based silica sols.

Product application

RK-G31 can be used to treat the surface of inorganic fillers, such as calcite and aluminum hydroxide, which can make the surface of these inorganic fillers more hydrophobic, thereby improving its dispersion in mineral fillers.

RK-G31 is particularly suitable for the processing of polymers at high temperatures.

RK-G31 also reduces the viscosity of the polymer.

Product security, handling and storage

The container should be sealed after opening to prevent water vapor from entering and producing hydrolysis.

Stored in the original unopened container at room temperature, this product has a shelf life of one year from the date of production. After passing the test, the buyer will decide whether to continue to use the expired product.

Tianjin Ruike Chemical Co. LTD

Tel:+86 18526852692

Add:Room 116-11, 160 Xiangyuan Road, Jingjin Science and Technology Valley Industrial Park, Wuqing District, Tianjin

tjrkhg@126.com

www.rk-chem.com



Note: The Company is only responsible for the sales specifications of the products at the time of shipment, and shall not be liable for any indirect or incidental damages.

Packing :5L, 10L, 25L, 200L, 1000L