

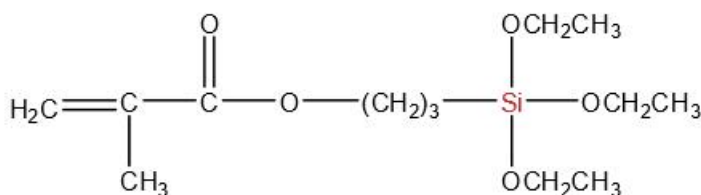


3-methylacryloxy propyl triethoxysilane

RK-G571

Product description

Structural formula:



Molecular formula: C₁₃H₂₆O₅Si

Molecular weight: 290.43

CAS No. : 21142-29-0

Chemical name: 3-methylacryloxy propyl triethoxysilane、

peculiarity

RK-G571 is a kind of difunctional silane containing methacryloxy organic group and ethoxy silyl inorganic group. At the same time with organic reactivity and inorganic reactivity, it can react with organic thermosetting resin, and can also react with inorganic surface containing glass fiber, clay, quartz, other silica materials.

Physical and chemical data

nature	Numerical value
appearance	Colorless transparent liquid
purity	≥98.0%
Density 25°Cg/ml	0.9900±0.0050
Boiling point 5mmHg	112°C

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Closed cup flash point	128°C
Refractive index 25°C	1.4270±0.0050

Solubility: Soluble in methanol, ethanol, isopropyl alcohol, acetone, benzene, toluene and xylene.

Product application

- The mechanical strength of the glass fiber reinforced composite can be improved by treating the glass fiber yarn with an infiltrating agent containing RK-G571 silane coupling agent (containing film forming agent, lubricant and antistatic agent).
- The dry and wet mechanical strength of polyester composites filled with white carbon black, glass, silicate and metal oxides can be improved.
- The wet electrical properties of many inorganic filler filled composites can be improved.
- Silylated polymers that can be crosslinked and curable at room temperature are synthesized by copolymerization with vinyl acetate and acrylate or methacrylate monomer. These silylated polymers are widely used in coatings, adhesives and sealants. Provides excellent adhesion and durability.
- Silane can be applied to an inorganic surface in the form of a dilute aqueous solution (0.1 to 0.5% silane). To prepare an aqueous solution, the pH of the water is adjusted to 3.0 to 4.5 with acetic acid, and silane is added while being thoroughly stirred.

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.

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