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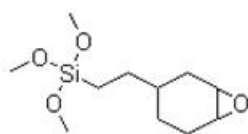
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2- (3, 4-epoxycyclohexane) ethyl  
trimethoxysilane

RK-G186

Product description

Structural formula:



Molecular formula: C<sub>11</sub>H<sub>22</sub>O<sub>4</sub>Si

Molecular weight: 246.38

CAS number: 3388-04-3

Chemical name: 2- (3, 4-epoxycyclohexane) ethyl trimethoxysilane

**Product introduction:** The epoxy group has the activity of reacting with a variety of resins, and the silicon hydroxyl group formed after the hydrolysis of dimethoxy group can be condensation reaction with the hydroxyl group on the surface of the inorganic material, so as to set up a "molecular bridge" between the inorganic material and the resin, and play a coupling role.

Physical and chemical data

nature	Numerical value
appearance	Colorless transparent liquid
purity	≥98.0%
Density 25°Cg/ml	1.0650±0.0050
Boiling point 760mmHg	310°C
Closed cup flash point	122°C



Refractive index 25°C	1.4480±0.0050
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Note: This product reacts with water. Please take precautions to avoid exposure to air.

### Product application

Mainly used in unsaturated polyester composite materials, it can improve the mechanical properties, electrical properties, light transmission properties of composite materials, especially can greatly improve the wet performance of composite materials. The wet mechanical strength and electrical properties of the glass fiber reinforced composites can be improved by wetting the glass fiber with the coupling agent. In wire and cable industry, the coupling agent is used to treat the EPDM system filled with clay peroxide crosslinking, and the consumption factor and specific inductance reactance are improved. Copolymerized with vinyl acetate and acrylic acid or methacrylic acid monomers, these polymers are widely used in coatings, adhesives and sealants to provide excellent adhesion and durability. 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