

# A-174 Silane (KH-570)

## Product Description

Chemical Name: gamma-methacryloxypropyltrimethoxysilane  
 CAS NO.: 2530-85-0

## Specifications

Appearance	transparent liquid
Colour(Pt-Co)	≤ 30
Specific Gravity <sub>20°C, g/cm<sup>3</sup></sub> )	1.043 - 1.053
Refractive Index ( $n_D^{25°C}$ )	1.4285 - 1.4310
Purity ( % )	≥ 97.0

## Applications

Its utility in the manufacturing of many intermediate product such as: unsaturated polyester, ethylene-propylene copolymer, polystyrene, ABS, polyurethane, polybutadiene and polyethylene crosslinked by peroxide. Modified by silane coupling agent can not only be used as filling of artificial marble to reinforce the bending strength of board but also greatly reduce the production cost of artificial marble.

### **Glass Fiber Soakage Agent**

Glass fiber soakage agent is used in the treatment of glass fiber. It contains filmformer, lubricant, anlistatig, silane coupling agent and water etc. The concentration of the silane coupling agent should be of 0.3%-0.6%.

### **Electrical wire and cable**

When used in electrical wire and cable, KH-570 can greatly improve its mechanical property and electrical property . When applied in argil, KH-570 has dramatically better the consumption factor, inductance and capacitive reactance of the EPM (ethylene propylene monomer) and EPDM (Ethylene-Propylene-Diene Monomer) systems crossed linked by peroxide and filled with argil. KH-570 results 2.5 times better than vinyl silane with the same dosage.

### **Filler Treatment**

This silane can improve the mechanical strength of polyester composite materials

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made from filling white carbon black, glass, silicate and metal oxide in either dry or wet state, for instance, crosslinked polyethylene and polyvinyl chloride.

**Adhesive** **and** **Coating**

KH-570 can be applied in acrylic resin and polyester adhesive improving its water resistance and adhesion stress with inorganic material, and also lowering its solidification value.

### **Packing**

25 kg, 200kg plastic or iron drum