

## Coupling Agent

### KH-602 Silane coupling agent

#### FEATURE

- Avoid using primer bonding process
- Good stability in the water-borne systems
- It provides better adhesion to the substrate
- Can extend the shelf life and stability of the resin
- Moisture can reduce the absorption of the composite mold
- The modified system is light in color, no bubbles after curing
- Improves wet electrical properties, especially at low frequencies
- Can improve the adhesion to the metal substrate to increase strength
- Make textiles soft, smooth, breathable, waterproof and more flexible
- The fabric has excellent softness, smoothness and other finishing effects
- Improve the adhesion while maintaining the elongation at break of rubber to improve the shelf life of the formulation
- Can significantly increase the strength of the friction material, long life, easy to sand collapse
- Resin can achieve internal damage rather than the interfacial adhesion between the sealant layer and the substrate damage

#### TYPE

N-β- aminoethyl -γ- aminopropyl methyl dimethoxy silane

# COUPLING AGENT

## TYPICAL PROPERTIES

<b>Appearance:</b>	Colorless to pale yellow liquid
<b>Content:</b>	≥97%
<b>Flash point:</b>	93°C
<b>Boiling point:</b>	256°C
<b>Molecular weight:</b>	206
<b>CAS No.:</b>	3069-29-2
<b>Density:</b>	0.965-0.975g/cm <sup>3</sup>
<b>Refractive index:</b>	1.430 ± 0.020
<b>Structural formula:</b>	NH <sub>2</sub> (CH <sub>2</sub> ) <sub>2</sub> NH(CH <sub>2</sub> ) <sub>3</sub> SiCH <sub>3</sub> (OCH <sub>3</sub> ) <sub>2</sub>
<b>Recommended Consumption</b>	1% by weight of filler
<b>Solubility:</b>	Dissolved in benzene, ethanol, propanol and other organic solvents, can be dissolved in water to produce an oily liquid after hydrolysis fused after placement

## APPLICATION

- Textile industry
- Platisol sealant
- Foundry Industry
- Polysulfide sealant(for glass, aluminum and steel)
- Added to the phenolic resin and epoxy molding compound
- Suitable resins include furan resins, phenol resins, RTV resins, trimer nitrile amine, D4, DMC, PA, PU, etc.

## STORAGE AND HANDLING

- Available in 25 kg/drum
- Store products in tightly closed original containers at 5-40°C
- Shelf life: 12 months from delivery date
- According to non-dangerous goods transport