

Coupling Agent

KH-792 Silane coupling agent

FEATURE

- Improve the strength and toughness
- Improve the adhesion of a variety of substrates
- Available cohesive interface rather than split off split off
- It can reduce the resin at a high temperature gas evolution
- Can reduce the amount of resin in the sand, good dispersion
- Improve the compatibility with the resin properties of diamond
- Free use promote coating with the surface of the coating adhesion primer
- Can improve the moisture resistance and increased compression resilience
- Greatly improves the strength of the sand core, so that the surface is flat and casting products more smooth, and reduce the cost of casting

TYPE

N-β- (aminoethyl) [gamma] aminopropyl trimethoxysilane

TYPICAL PROPERTIES

Appearance:	Colorless to pale yellow liquid
Content:	≥97%
Flash point:	138°C
Boiling point:	259°C
Molecular weight:	222
CAS No.:	1760-24-3
Density:	1.010 ~ 1.030g/cm ³
Refractive index:	ND25 1.4425-1.4460
Structural formula:	NH ₂ (CH ₂) ₂ NH(CH ₂) ₃ SI(OCH ₃) ₃
Corresponding trademark:	A-1122 (GE); Z-6020 (Dow Corning); KBM-603 (Shin-Etsu)
Solubility:	Soluble in organic solvents, insoluble in carbon tetrachloride and acetone, soluble in water, stable in water, methanol is produced after hydrolysis, suitable pH value 9 ~ 10

COUPLING AGENT

APPLICATION

- Abrasive
 - Polysulfide sealant
 - Insulation Materials
 - RTV resin and silane crosslinked sealant
 - Suitable resins: Phenol, PA, PB, PC, melamine, acrylic, nitrile rubber, chloroprene rubber, RTV resin
 - Foundry Industry: This product is suitable for phenolic resin coated sand process
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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
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