



Shuguang

南京曙光化工集团有限公司

Nanjing Shuguang Chemical Group Co.,Ltd.

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## Silane coupling agent KH-540(SG-Si 1110)

**Chemical Name:** 3-aminopropyltrimethoxysilane

**CAS No.:** 13822-56-5

**Product appearance:** Colorless or slightly yellowish clear liquid

**Application:** The primary applications is as follows:

1. The amine and ethoxy groups can separately couple with organic polymers and inorganic fillers, strengthen adhesion and improve mechanical, electric properties, waterproof and aging resistance of the products.
2. It can largely improve mechanical performance and hygrometric electric performance such as dry or hygrometric bending-resistant strength, compression strength, shear strength, etc., and improve watability and dispersion of fillers in thermoplastic and thermoset polymer matrix such as phenol formaldehyde, polyester, epoxy, PBT, polyamide, polycarbonate, etc.
3. It is an outstanding adhesion promoter, can improve the dispersion of pigments and the adhesion to glass, aluminum, iron etc. when it is used in polyurethane, epoxy, nitrile,, phenol-formaldehyde adhesives and sealants and is also suitable for polyurethane, epoxy and acrylic latex paint.
4. Used in foundryto improve the adhesion between sand and resin, and improve the strength of molding sand and wet resistance.
5. It can raise wet resistance and compressing resilience when added it to the phenol-formaldehyde adhesive during the manufacture of the glass fiber wool and mineral wool.

**Packing:** Packed with 5L、 20L、 210L plastic/steel drum or 1000L IBC container, also can be packed according to customer's requirement.

**Storage:** Seal and store it in a cool, dry and ventilated place, keep moisture-proof and waterproof, far away from kindling material and heat source.