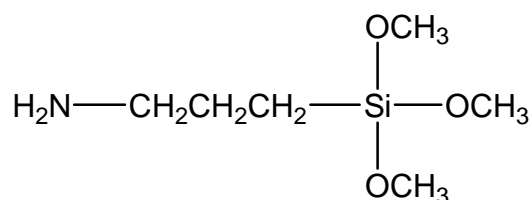


## SiSiB<sup>®</sup> PC1110

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### gamma-Aminopropyltrimethoxysilane



### Introduction

PC1110 is an amino-functional silane that may be used over a broad range of applications to give an improvement in the bond between a substrate, filler or reinforcement and resins that react with the amino group.

PC1110 is especially recommended to thermoplastic resins and thermosetting resins such as epoxy, PBT, polyurethane etc. It can improve reinforced plastic's physical properties and electric properties as flexural strength, compression strength and shear strength. It also can improve the dispersion and wet ability of filler in the high molecular materials. PC1110 is an excellent promoter of adhesion and sealant (such as polyurethane, epoxy, and phenol). In the glass wool and FRP products, it can be added into phenol resins to improve the wet resistance and mechanical performance.

### Applications

- Superior adhesion promoter in RTV silicones and other hybrid sealants. (SPUR<sup>SM</sup>)
- Excellent adhesion promoter in SPUR<sup>SM</sup> technology, particularly for difficult substrates such as ABC, PVC ad Poly Styrene.
- Useful component in primer systems for hybrid and polyurethane sealants.

## SiSiB<sup>®</sup> PC1110

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### Typical Physical Properties

Chemical Name	<i>gamma</i> -Aminopropyltrimethoxysilane
Empirical Formula	C <sub>6</sub> H <sub>17</sub> NO <sub>3</sub> Si
Molecular Weight	179.3
Color and Appearance	Colorless transparent liquid
Density <sub>25/25°C</sub>	1.0140
Boiling Point	210°C [760mmHg]
Refractive Index	1.420 [25°C]
Viscosity <sub>25°C</sub>	1.68 cSt
Flash Point	82°C
CAS No.	13822-56-5
EINECS No.	237-511-5
Min. Purity	98.0%

### Solubility

PC1110 reacts with water. Take precautions to avoid contact with atmospheric moisture.