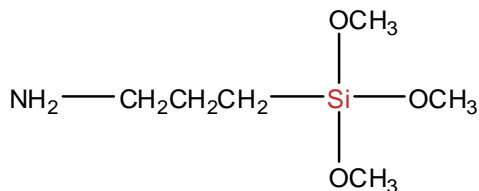


SiSiB[®] PC1110

Gamma-Aminopropyltrimethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] 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.

SiSiB[®] 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. SiSiB[®] 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.

TYPICAL PHYSICAL PROPERTIES

CAS No.	13822-56-5
EINECS No.	237-511-5
Formula	C ₆ H ₁₇ NO ₃ Si
Molecular Weight	179.3
Viscosity _{25°C}	1.68 cSt
Boiling Point	210°C [760mmHg]
Flash Point	82°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	1.0140
Refractive Index	1.420 [25°C]
Min. Purity	97.0%

Solubility: SiSiB[®] PC1110 reacts with water. Take precautions to avoid contact with

SiSiB[®] PC1110

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atmospheric moisture.

APPLICATIONS

SiSiB[®] PC1110 can be used as superior adhesion promoter in RTV silicones and other hybrid sealants.

SiSiB[®] PC1110 can be used as excellent adhesion promoter in Silane-terminated polyurethane technology, particularly for difficult substrates such as ABC, PVC and Poly Styrene.

SiSiB[®] PC1110 acts as useful component in primer systems for hybrid and polyurethane sealants.

PACKING AND STORAGE

SiSiB[®] PC1110 is supplied in 25Kg plastic drum, 200Kg steel drum or 1000Kg IBC container.

In the unopened container SiSiB[®] PC1110 has a shelf life of one year.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com.