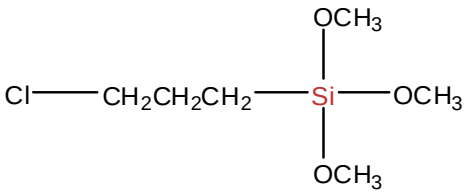
SiSiB® PC5011

Gamma-Chloropropyltrimethoxysilane

Chemical Structure



Introduction

SiSiB® PC5011 is a clear colorless liquid.

Typical Physical Properties

CAS No.	2530-87-2
EINECS No.	219-787-9
Formula	$C_6H_{15}O_3ClSi$
Molecular Weight	198.7
Boiling Point	182°C [760mmHg]
Flash Point	84°C
Color and Appearance	Colorless transparent liquid
Density $_{25/25°C}$	1.077
Refractive Index	1.418 [25°C]
Min. Purity	99.0%

Applications

SiSiB® PC5011 can be used as a coupling agent to improve adhesion of organic resins to inorganic surfaces.

SiSiB® PC5011 can be used as an additive in a urethane adhesive formulation. Its addition to the isocyanate prepolymer causes no adverse effect in the prepolymer viscosity.

SiSiB® PC5011 can be used as a good coupling agent for epoxy resins to glass in laminates. The resin has good wet out on the treated glass fabric. More important, both flexural strength as well as wet and dry tensile strength are significantly improved over

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that seen with epoxy and amino functional silanes.

SiSiB® PC5011 can be used as an effective coupling agent for treating glass fabric used in polystyrene laminates. The flexural strength of these laminates is unchanged after two hours in boiling water, and the compressive strength slightly improved over that found under dry conditions.

SiSiB® PC5011 can be used as an intermediate for other functional organosilanes, such as SiSiB® PC1110, SiSiB® PC3100, SiSiB® PC4100 etc.

Packing and Storage

SiSiB® PC5011 is supplied in 200Kg steel drum.

In the unopened original container SiSiB® PC5011 has a shelf life of one year in a dry and cool place.

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.

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

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