



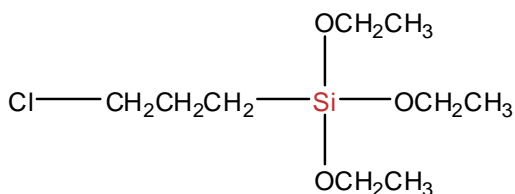
SiSiB[®] PC5012 SILANE

- 1 -

CHEMICAL NAME

Gamma-Chloropropyltriethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC5012 is a bifunctional organosilane for application in halogenated rubber in combination with white fillers containing silanol groups. It's a clear colorless liquid.

TYPICAL PHYSICAL PROPERTIES

CAS No.	5089-70-3
EINECS No.	225-805-6
Formula	C ₉ H ₂₁ O ₃ ClSi
Molecular Weight	240.8
Boiling Point	220°C [760mmHg]
Flash Point	78°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	1.008
Refractive Index	1.420 [25°C]
Purity:	Min 99.0% by GC

APPLICATIONS

SiSiB[®] PC5012 reacts with silanol groups of white fillers during mixing and with halogenated polymers using suitable curing systems during vulcanization under formation of covalent chemical bonds. This imparts greater tensile strength, higher moduli,

Power Chemical
ISO9001 ISO14001 certified

Copyright© 2008 Power Chemical Corporation Ltd.
SiSiB[®] is a registered trademark of PCC. For more knowledge regarding organosilanes, you may visit www.SiSiB.com or www.PCC.asia



SiSiB® PC5012 SILANE

- 2 -

reduced compression set and increased abrasion resistance. SiSiB® PC5012 is used in combination with halogenated polymers in a variety of rubber products where silanol group-containing white fillers are used and where optimum technical properties are required.

SiSiB® PC5012 can be used as an intermediate for other functional organosilanes, like SiSiB® PC1100, SiSiB® PC3200, SiSiB® PC4200 etc.

PACKING AND STORAGE

SiSiB® PC5012 is supplied in 200Kg steel drum or 1000Kg IBC tote.

In the unopened original container SiSiB® PC5012 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.

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.

Power Chemical
ISO9001 ISO14001 certified

Copyright© 2008 Power Chemical Corporation Ltd.
SiSiB® is a registered trademark of PCC. For more knowledge regarding organosilanes, you may visit www.SiSiB.com or www.PCC.asia