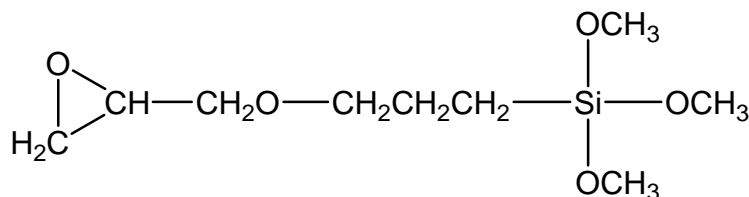


SiSiB[®] PC3100

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gamma-Glycidoxypropyltrimethoxysilane



Introduction

PC3100 is an epoxy-functional silane, it is a clear, light straw liquid. PC3100 may be used as a coupling agent in polysulfide and polyurethane caulks and sealants, in mineral-filled or glass-reinforced thermosets and thermoplastics, and in glass roving size-binders. It is particularly employed as an adhesion-promoting additive in waterborne systems, e.g. improving the adhesion of acrylic latex sealants.

Typical Physical Properties

Chemical Name	<i>gamma</i> -Glycidoxypropyltrimethoxysilane
CAS No.	2530-83-8
EINECS No.	219-784-2
Empirical Formula	C ₉ H ₂₀ O ₅ Si
Molecular Weight	236.34
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	1.065-1.075
Boiling Point	290°C [760mmHg]
Refractive Index	1.4270 [25°C]
Viscosity _{25°C}	3 cSt
Flash Point	110°C
Min. Purity	Min 99.0%;

Note :

PC3100 reacts with water. Take precautions to avoid contact with atmospheric

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moisture.

Applications

- Improves dry and wet strength in cured composites reinforced with glass fiber rovings.
- Enhances wet electrical properties of epoxy-based encapsulate and packaging materials.
- Eliminates the need for a separate primer in polysulfide and urethane sealants.
- Improves adhesion in waterborne acrylic sealants and in urethane and epoxy coatings.