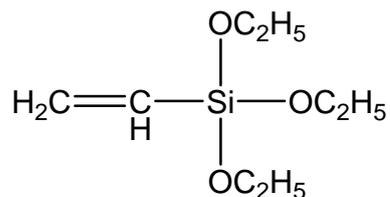


SiSiB[®] PC6120

Vinyltriethoxysilane



Introduction

PC6120 silane, vinyltriethoxysilane, is a vinyl-functional silane that may be used to improve the bond between glass fiber or mineral fillers and resins that are reactive towards the vinyl group. It is also employed to functionalize resins via free radical mechanisms - copolymerization or grafting - and to modify surfaces.

Typical Physical Properties

Chemical Name	Vinyltriethoxysilane
CAS No.	78-08-0
EINECS No.	201-081-7
Formula	C ₈ H ₁₈ O ₃ Si
Molecular Weight	190.4
Viscosity _{25°C}	0.7 cSt
Boiling Point	160°C [760mmHg]
Flash Point	44°C
Color and Appearance	Colorless transparent liquid
Density _{25/25°C}	0.9040-0.9080
Refractive Index	1.3965 [25°C]
Purity	Min 99.0%

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Applications

- Coupling agent in filled polymer systems, which cure via a free radical mechanism.
- Finish for glass or a binder additive in glass-reinforced polyester resins.
- Integral additive in mineral-filled polyester or DAP resin compounds.
- Additive to mineral-filled elastomers which are peroxide vulcanised.