

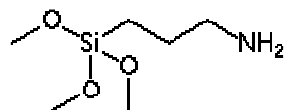
Organosilane A301

Product Description

Chemical Name: gamma-Aminopropyltrimethoxysilane

Synonym: 3-Aminopropyltrimethoxysilane; 3-(Trimethoxysilyl)propylamine

Chemical Structure:



Empirical Formula	C ₆ H ₁₇ NO ₃ Si
Molecular Weight	179.29
CAS No.	13822-56-5
EINECS No.	237-511-5

Typical Physical Properties:

Appearance	Colorless and transparent liquid
Specific Gravity, (25/25 °C)	1.014
Refractive Index, (25 °C)	1.4240
Flash Point*	82 °C (180 °F)
Boiling Point	210 °C (410 °F)

* Determined by ASTM Method D93 using the Pensky-Martens closed cup.

Commodity Specification

Appearance	Colorless and transparent liquid
Content, (by GC)	97% min, 95% min
Specific Gravity, (25/25 °C)	1.005—1.025
Refractive Index, n _D (25 °C)	1.4150—1.4250

Application Direction

General Information: It is an amino-functional coupling agent that is used over a broad range of applications to provide superior bonds between inorganic substrates and organic polymers by improving organics / inorganics reactivity and chemical bonding, especially for fiberglass reinforced composites. It is faster than Organosilane A302 (3-Aminopropyltriethoxysilane) as the coupling agent.

Suitable Polymers: Acrylic, Polyolefin, Butyl, Polysulfide, Cellulosic, Polyurethane, Epoxy, PVB, Furan, Silicone, Melamine, Urea-formaldehyde, Neoprene, Nitrocellulose, Phenolic, Polyamide, Polyester, etc.

Packing & Storage

Normally packed in 200 kg net drums UN approved, sea-worthy for exporting.

Stored in cool and dry air-flowing area preventing sunlight.

Safety Materials

Material Safety Data Sheet (MSDS) is available separately.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ONICHEM shall not be held liable for any damage resulting from the use of the above product. The users are suggested to select the suitability of the products and methods of application.