

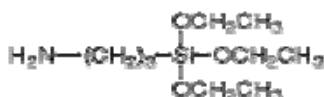
## Organosilane A302

### Product Description

Chemical Name: *gamma*-Aminopropyltriethoxysilane (APTES)

Synonym: 3-Aminopropyltriethoxysilane; 3-(Triethoxysilyl)propylamine

Chemical Structure:



Empirical Formula C<sub>9</sub>H<sub>23</sub>NO<sub>3</sub>Si

Molecular Weight 221.37

CAS No. 919-30-2

EINECS No. 213-048-4

Typical Physical Properties:

Appearance	Colorless and transparent liquid
Specific Gravity, (25/25°C)	0.946
Refractive Index, n <sub>D</sub> (25°C)	1.4200
Flash Point*	96°C (205°F)
Boiling Point	217°C (423°F)

\* Determined by ASTM Method D93 using the Pensky-Martens Closed Cup.

### Commodity Specification

Appearance	Colorless and transparent liquid
Content, (by GC)	98% min
Color (APHA)	25 max
Specific Gravity, (25/25°C)	0.941—0.946
Refractive Index, (25°C)	1.4180—1.4260
Insolubles in water	0.2% max

### Application Direction

General Information: It is a versatile 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

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

### Packing & Storage

Normally packed in 190 kg net drums UN approved, Can also packed in IBC (950 kg), 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.