

Organosilane AE302

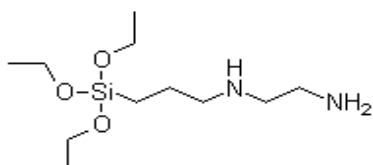
Product Description

Chemical Name: N-(*beta*-aminoethyl)-*gamma*-aminopropyltriethoxysilane,

Synonym: N-(2-aminoethyl)-3-aminopropyltriethoxysilane

N-(3-(triethoxysilyl)propyl) ethylenediamine

Chemical Structure:



Empirical Formula	C ₁₁ H ₂₈ N ₂ O ₃ Si
Molecular Weight	264.44
CAS No.	5089-72-5
EINECS No.	225-806-1

Typical Physical Properties:

Appearance	Colorless to light yellowish liquid
Specific Gravity, (25/25°C)	0.970
Refractive Index, n _D (25°C)	1.4380
Flash Point*	123°C
Boiling Point, (5 mm Hg)	135°C

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

Commodity Specification

Appearance	Colorless to light yellowish liquid
Content, (by GC)	95% min
Specific Gravity, (25/25°C)	0.960—0.980
Refractive Index, n _D (25°C)	1.4200—1.4400

Application Direction

General Information: It is a diamino-functional silane coupling agent that can help high polymers and inorganic materials improve their mechanics, electric performance, water-proof and anti-aging abilities by combining both of their chemical bonds as integrity.

Suitable Polymers: Polyurethane (2K), Polyamide, Polystyrene, Phenol formaldehyde, PVC, Epoxy, Melamine, Nulamine, Silicone, Nitrocellulose, Polyether etc.

Packing & Storage

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

Stored in cool and dry ventilated 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.