

Silane USi-1312

Amino functional alkoxy silane

Product Description

Chemical Name:

γ -Aminopropylmethyldiethoxysilane

Synonyms:

3-Aminopropyl(diethoxy)methylsilane;

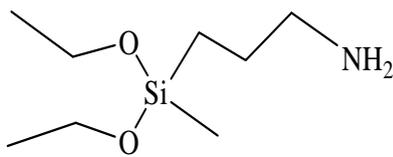
3-(Diethoxymethylsilyl)propylamine;

3-Aminopropyl-methyl-diethoxysilane

CAS NO.: 3179-76-8

EINECS NO.:221-660-8

Chemical structure:



Properties

Silane USi-1312 is an amino-functional silane which acts as an adhesion promoter between inorganic materials and organic polymers and as a surface modifier.

The main use of USi-1312 is for synthetic material of single amino-amino silicone oil.

The fabric made from the amino silicone finishing agent will give the fiber with effect of soft, smooth, hanging, anti-static, washable, wrinkle-free ect.

USi-1312 can be used as adhesion promoter, surface modifiers, cross-linking agent and dispersant. To upgrade the combination of power and compatibility between inorganic mineral powder material, fiber and polymers.

Typical Technical Data

The below values are not intended for use in preparing specifications. Please confirm with us prior to writing specifications on this product.

Appearance: Colorless transparent liquid

Colour (Pt-Co): ≤ 25

Specific Gravity ($\rho_{20^{\circ}\text{C}}$,g/cm³): 0.911~0.971

Refractive Index ($n_D^{25^{\circ}\text{C}}$): 1.4260~1.4290

Purity (by GC, %): 97.0 min

Applications

Silane USi-1312 is used as an important additive in many applications. It can be used as follows:

- Additive: in cold-curing phenolic and furan foundry resins to improve the flexural strength of sand or resin elements with very long shelf life of the resins.
- Glass and metal primers
- Abrasives: As additive to phenolic resin binders
- Mineral-filled composites: For pretreatment of fillers and pigments or as an additive
- Synthesis of functional silicones

Safety & Storage

Customers should review the latest MSDS and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS is available at www.usi-chemical.com or upon request.

Keep away from heat and open flame. When stored at normal temperature in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging

In 20kg, 180kg or 190kg drum

Contact Information

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