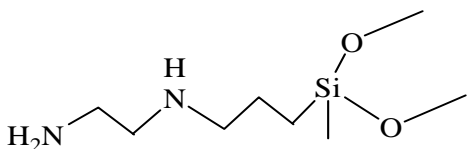


Silane USi-D1311

Diamino functional alkoxy silane

Product Description

Chemical Name: N-β-(aminoethyl)-
γ-aminopropylmethyl-dimethoxysilane
Synonym: N-[3-(Dimethoxymethylsilyl)
propyl]ethylenediamine
CAS NO.: 3069-29-2
EINECS NO.: 221-336-6
Chemical structure:



Properties

USi-D1311, as an adhesion promoter in glassfiber reinforced or filler modified plastics increases filler dispersibility and improves numerous mechanical properties of the composites. Additionally, it reduce the fillers' sedimentation tendency in the uncured polymer.

USi-D1311 also can improve resistance to water and corrosion. meanwhile, the mechanical properties can be adjusted with even greater precision by means of the dialkoxysilyl group.

As textile finishing agents, silicones modified with USi-D1311 result in amino modified silicone fluids that are an ideal active ingredient in softener formulations for finishing fibers and textiles.

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 max
Specific Gravity ($\rho_{20^{\circ}\text{C}}$,g/cm³): 0.9630~0.985
Refractive Index ($n_D^{25^{\circ}\text{C}}$): 1.4440 ~1.4490
Purity (by GC, %): 97.0 min

Applications

When used as an additive, Silane USi-D1311 meets the need of special primers in numerous bonding applications. Also can display a good adhesion in the following systems:

- RTV silicones and hybrid silane-crosslinked sealants: improve the adhesion single & double component silicone-crosslinked sealants to a variety of substrates
- Polysulfide sealants: better adhesion to glass, aluminum and steel
- Plastic sealants: improve bonding to metal substrates and better performance
- Additive in phenolic and epoxy molding compounds: improve wet electrical properties

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 ordinary temperature in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging

In 20kg pail, 200kg drum and 1000kg (950kg) IBC

Contact Information

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