

Silane USi-401

Vinyl functional alkoxy silane

Product Description

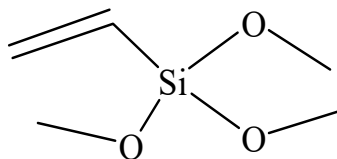
Chemical Name: Vinyltrimethoxysilane
 Synonym: (Trimethoxysilyl)ethylene;
 Ethenyltrimethoxysilane;
 Trimethoxy(vinyl)silane

CAS NO.: 2768-02-7

EINECS NO.: 220-449-8

Molecular weight: 148.23

Chemical structure:



Properties

Pipes and cables produced from silane-crosslinked polyethylene (PE-Xb) using USi-401 are more resistant to heat and weathering than products made from non-crosslinked polyethylene. They also have improved electrical properties. The storage stability is greatly enhanced in formulations of silane crosslinking adhesives and sealants.

Use of USi-401 as a co-monomer in polymer dispersions results in binders which exhibit much improved wet scrub resistance and higher abrasion resistance thanks to crosslinking and improved adhesion to the substrate.

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

Specific Gravity ($\rho_{20^{\circ}\text{C}}$, g/cm³): 0.960~0.980

Refractive Index ($n_D^{25^{\circ}\text{C}}$): 1.3920~1.3940

Purity (by GC, %): 98.0 min

Applications

Silane USi-401 is an essential ingredient in many industries as below:

- Moisture curing of polymers :
For the preparation of moisture-curing polymers
- Adhesion promotion & surface modification:
As an efficient adhesion promoter for various mineral-filled polymers
- As co-monomer for polymer dispersions:
Improve adhesion strength in wet conditions and scrub resistance
- As moisture scavenger:
Can react rapidly with water
- Other applications:
can easily bond with OH-group. Hydroxyl containing polymers; it is activated by its proximity to silicon

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 or below 35°C in the original unopened containers, this product has a usable life of 24 months from the date of production.

Packaging

In 25kg pail, 190kg drum and 950kg IBC

Contact Information

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