

Dow Corning® Z-6269 Silane

FEATURES

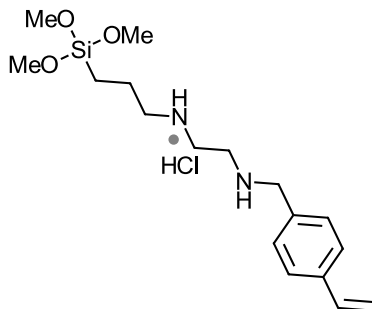
- Contains organic and inorganic reactivity for coupling
- Lower turbidity in water solution

BENEFITS

- Improve adhesion of epoxy resins to inorganic (glass fabric) surfaces

COMPOSITION

- Vinylbenzyl amino ethyl amino propyl trimethoxysilane (average structure)
- 40% silane in methanol



High purity vinyl/amino functional alkoxy silane in comparison to XIAMETER® OFS-6032 Silane

APPLICATIONS

- Coupling agent for epoxy resins on glass fabrics in printed circuit board composites

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

CTM*	Property	Unit	Result
0176	Appearance		Pass (Transparent colored liquid, free of particulate matter)
0002	Refractive index, 25°C		1.390-1.405
0856	Chloride- In solution	%	3.4-3.8

*CTM: Corporate Test Method, copies of CTMs are available on request.

DESCRIPTION

A high purity version of XIAMETER OFS-6032 Silane, *Dow Corning*® Z-6269 Silane contains vinylbenzyl and amino organofunctional groups for reactivity with epoxy resins and a trimethoxysilyl group for reactivity with inorganic surfaces to promote coupling.

Aqueous solutions are prepared by adjusting the pH of the water to about 3.5 to 4.0 with acetic acid and then adding the pre-hydrolyzed concentrate and stirring.

The typical concentration is 0.1~0.5wt% silane actives in dilute aqueous solutions.

HOW TO USE

As a coupling agent, it can be used as a pretreatment on the inorganic surface. For glass cloth treatment, a dilute aqueous solution could be prepared by pre-hydrolyzed *Dow Corning* Z-6269 silane.

The pre-hydrolyzed concentrate formulation can be prepared as follows:

- 100 parts *Dow Corning* Z-6269 silane
- 5 parts glacial acetic acid
- 25 parts water

HANDLING PRECAUTIONS
PRODUCT SAFETY
INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When sealed in original containers and stored at ambient temperatures, this product has a usable life of 18 months from the date of production.

PACKAGING INFORMATION

This product is available in 500 mL bottles, 16 kg pails, and 150 kg drums.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, dowcorning.com or consult your local Dow Corning representative.

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