



Technical Data Sheet

XIAMETER™ OFS-6300N Silane

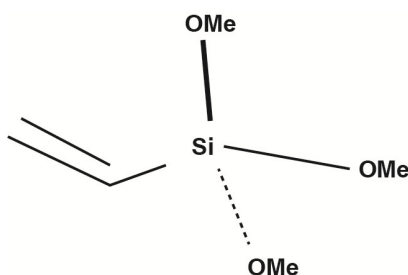
Vinyltrialkoxysilane coupling and crosslinking agents

Features & Benefits

- Reactive in free radical chemistry
- Reactive in hydrosilylation chemistry
- Forms siloxane crosslinks via moisture cure
- Bonds with inorganic surfaces through alkoxy silane groups
- Provides coupling between inorganic surfaces (such as clay, glass, etc.) and organic rubber and plastic
- Provides moisture activated crosslinking sites when grafted into polyethylene polymer backbone

Composition

- Vinyltrimethoxysilane (XIAMETER™ OFS-6300N Silane)



Applications

- Coupling agents in filled rubber compounds
- Coupling agents in reinforced/filled plastics
- Provide crosslinking sites in polyethylene
- Reactant in siloxane polymer synthesis

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Color, APHA		25 max
Chloride	ppm	10 max
Appearance		Clear liquid
Refractive Index		1.3890–1.3920
Purity by GC	%	99.0

Description

XIAMETER™ OFS-6300N Silane is a reactive organofunctional silane. The product has a vinyl reactive organic group and trimethoxysilyl reactive inorganic groups.

XIAMETER™ OFS-6300N Silane has the chemical formula:



which is designated as vinyltri-methoxysilane.

**Handling
Precautions**

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

**Usable Life and
Storage**

When stored at or below 35°C in the original unopened containers, this product has a usable life of 12 months from the date of production.

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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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