



Technical Data Sheet

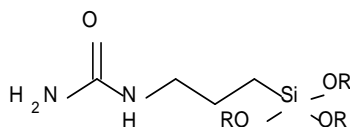
DOWSIL™ Z-6119 Silane DOWSIL™ Z-6120 Silane DOWSIL™ Z-6675 Silane

FEATURES & BENEFITS

- Adhesion promoter for Plastics, Coating
- Ethyl Carbamate free
- No alkyltin compounds

COMPOSITION

- Ureidosilane in alcohol solution



DOWSIL™ Z-6119 Silane
R=CH₃/CH₂CH₃ mixture
DOWSIL™ Z-6120 Silane
R=CH₃
DOWSIL™ Z-6675 Silane
R=CH₃/CH₂CH₃ mixture

DOWSIL™ Z-6119 Silane, DOWSIL™ Z-6120 Silane and DOWSIL™ Z-6675 Silane are ureidosilane solution which can be used as additives for plastic reinforced composites or coatings formulations.

APPLICATIONS

- Plastic additive
- Coating additive

TYPICAL PROPERTIES

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

Product	Property	Unit	Result
Non Volatile Content		%	
DOWSIL Z-6119 Silane	Ureidopropyltrialkoxo (methoxy/ethoxy) silane		45–55
DOWSIL Z-6120 Silane	Ureidopropyltrimethoxysilane		85–95
DOWSIL Z-6675 Silane	Ureidopropyltrialkoxo (methoxy/ethoxy) silane		80–90

DESCRIPTION

DOWSIL Z-6119 Silane, DOWSIL Z-6120 Silane, and DOWSIL Z-6675 Silane have both ureido functionality and alkoxy silane in the same molecule. These unique silanes can be used as adhesion promoter for coating or as plastic additive to provide better adhesion.

These materials do not contain ethyl carbamate or alkyltin salts.

HOW TO USE

Examples:

These ureidosilanes can be used same as other silane coupling agents. Mixed well with filler/solvent slurry and dried for filler treatment.

The ureidosilanes can be added to plastic composites at the dosage of 0.01–1 wt% to afford better adhesion with plastic and metal.

The ureidosilanes can be added to paint formulations at the dosage of 0.1–5 wt% and well mixed prior to use.

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 PHYSICAL

HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

PACKAGING INFORMATION

This product is available in a variety of container sizes.

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, www.consumer.dow.com or consult your local Dow representative.

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