

Andisil® 6021 Silane

CAS# 5089-72-5



TYPICAL PROPERTIES*

CHEMICAL NAME	Aminoethylaminopropyltriethoxysilane
EMPIRICAL FORMULA	C ₁₁ H ₂₈ N ₂ O ₃ Si
MINIMUM PURITY	> 97%
DENSITY	0.97
BOILING POINT °C/mmHg	273 °C
REFRACTIVE INDEX	1.438

* These properties are not intended to be used as specifications but only as suggested characteristics

DESCRIPTION

Andisil® 6021 Silane is a bifunctional silane possessing a reactive amino groups and hydrolysable methoxysilyl groups. The dual nature of its reactivity allows it to bind chemically to both inorganic materials (e.g. glass, metals, fillers) and organic polymers (e.g. thermoplastics, thermosets or elastomers).

POTENTIAL USAGE

- Used as adhesion promoter at organic/inorganic interfaces, for modification of surfaces (corrosion prevention, component of primers) or silicone-polymer or as crosslinker (moisture crosslinking of polymers).
- Used as a coupling agent leads to in general to an improvement of mechanical and electrical product properties above all under exposure to heat and/or moisture.
- Soluble in alcohols and aliphatic as well as aromatic hydrocarbons.
- Maximizes the physical and electrical properties thermoset and thermoplastic composites. Filler wetting and dispersibility in the polymer matrix are also improved.

For additional information on the product, please contact your Sales Representative.

Andisil®

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

STORAGE & SHELF LIFE

The shelf life, when the container is stored unopened and under proper conditions above 50 °F, is expected to be a minimum of two (2) years.

PACKAGING

Andisil® 6021 Silane is available in 440 lb. drums or 40 lb. pails. Other packaging options may be available upon request.

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