

Andisil® 174 Silane

CAS# 2530-85-0



TYPICAL PROPERTIES*

CHEMICAL NAME	Methacryloxypropyltrimethoxysilane
EMPIRICAL FORMULA	C ₁₀ H ₂₀ O ₅ Si
MINIMUM PURITY	> 98%
APPEARANCE	Colorless
REFRACTIVE INDEX	~ 1.429
BOILING POINT	255 °C
SPECIFIC GRAVITY	1.045 g/cm ³

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

APPLICATION

- Methacryl-functional silane is used as an adhesion promoter at organic/inorganic interfaces, as a surface modifier (e.g. imparting water repellency, organophilic surface adjustment) or as a crosslinker of polymers
- Improves strength as glass fiber size composite in reinforced polyester composites
- Enhances initial and wet strength of reinforced polyester resin composites
- Used as a coupling agent to improve the physical and electrical properties of glass-reinforced and mineral-filled thermosetting resins under exposure to heat and/or moisture
- Crosslinks acrylic type resins improving adhesion and durability of adhesives and coatings
- Blend additive in resin systems that cure via a free radical mechanism (e.g. polyester, acrylic) and in filled or reinforced thermoplastic polymers, including polyolefins and polyurethanes

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® 174 Silane is available in 440 pound net weight drums or 40 pound pails. Other packaging options may be available upon request.

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.

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