

AP-SILANE [®] 71

Product Overview

AP-SILANE 71 is a 3-(Methacryloyloxy)propyltrimethoxysilane coupling agent having a reactive acrylic group as well as three hydrolyzable methoxy groups. It is a useful modifier for many high performance products including optical fibers, acrylics, epoxies, unsaturated polyester fiberglass composites, and sol-gel composites. The reactive acrylic group can be copolymerized with many different unsaturated organic monomers to yield polymers bearing pendent trimethoxysilyl groups, which can serve several different purposes.

Physical Properties

PURITY:	≥98%
REFRACTIVE INDEX:	1.43
MOLECULAR WEIGHT:	248.35
SPECIFIC GRAVITY:	1.05
MINIMUM COVERAGE AREA M ² /G:	314

Applications

- Improved adhesion.
- Increased composite wet and dry tensile and modulus.
- Increased flexural strength.
- Increased wet and dry compressive strength.

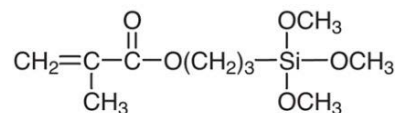
Packaging

Available in 8 oz. samples and 441 lb. drums.

Application Methods

AP-SILANE 71 is recommended for unsaturated polyester and thermoset composites.

Chemical Structure



ADVANCED POLYMER
400 Paterson Plank Road
Carlstadt, NJ 07072

ADVPOLYMER.COM

PHONE: 201.933.0600

FAX: 201.933.8442

The information set forth herein is furnished free of charge and based on technical data that Advanced Polymer believes to be reliable. It is intended for use by persons having technical skill at their own risk. Because conditions of use are outside our control, we make no warranties, express or implied, and assure no liability in connection with any use of this information. Nothing herein is to be taken as license to operate under or a recommendation to infringe any patents.