



Silquest[™] A-174NT

Silquest* A-174NT

Description

Momentive Performance Materials Silquest A-174NT silane is a methacryloxy functional trimethoxy silane that finds utility in coating, composite and adhesive and sealant systems that cure via a free radical mechanism.

Key Features and Benefits

Feature	Benefit			
Methacryloxy Functionality	 May be suitable for use in free radical cure adhesives and sealants based upon resin systems such as polyesters,polyurethanes, acrylics, and manythermoplastics such as PVC, polyolefins and polyurethanes. 			
Methoxy Silane	 Bonds to inorganic substrates to provide excellent wet and dry adhesion Fast hydrolysis rate. 			

May be copolymerized with vinyl acetate, vinyl chloride, acrylates, or methacrylate monomers to yield a moisture curable silylated polymer. Such polymers may be incorporated into adhesive and sealant systems to enhance adhesion to substrates such as glass, metal and some plastics. (See SPUR* prepolymer-based technology literature for additional ideas regarding the benefits of silane crosslinked polymer chemistry).

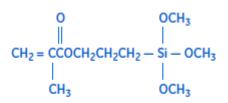
May result in the enhancement of strength performance, both initially and after wet conditioning, of glass, silica, silicate, and metal oxide filled polyester resin systems.

May improve the wet electrical performance of many mineral-filled thermoplastic materials such as crosslinked polyethylene and polyvinylchloride.

Typical Physical Properties

Appearance	Clear light straw liquid
Molecular Weight	248.1
Specific Gravity at 25/25°C	1.045
Refractive Index n _D 25°C	1.429
Flash Point, Tag Closed Cup, °C (°F)	108 (226)
Boiling Point, °C (°F)	255 (491)

Chemical Structure



Gamma-Methacryloxypropyltrimethoxy Silane

Patent Status

여기에 포함된 어떠한 내용도 관련 특허가 없음을 의미하거나 특허 소유자의 허가 없이 특허에서 다루는 발명을 실행하기 위한 허가, 유도 또는 권고를 구성하는 것으로 해석되 어서는 안됩니다.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an aroundthe-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Commercial Status

Silquest A-174NT silane is commercially available. Contact your sales or customer service representative to enter a sample request, or place an order.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information Email commercial.services@momentive.com

Telephone

Americas	Latin America	EMEAI- Europe, Middle East, Africa & India	ASIA PACIFIC
+1 800 295 2392	Brazil	Europe	China
Toll free*	+55 11 4534 9650	+390510924300	800 820 0202
+704 805 6946	Direct Number	Direct number	Toll free
Direct Number			+86 21 3860 4892
			Direct number
*All American	Mexico	India, Middle East &	Japan
countries	+52 55 2169 7670	Africa	+81 3 5544 3111
	Direct Number	+ 91 44 71212207	Direct number
		Direct number*	
		*All Middle Eastern	Korea
		countries, Africa, India,	+82 2 6201 4600

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