



AL₂CHEM
SPECIALTIES

ORGANOSILANES & ORTHOSILICATES

ABOUT AL₂CHEM:

AL₂CHEM LLC provides selective specialty chemicals that bring added value to our customers' products and formulations. These chemicals were chosen based on their unique properties and the fact that our people have expert knowledge in the chemistry and the applications. The selected products are from high quality foreign and domestic manufacturers.

We have sales representation covering the US, Canada, and Mexico and can deliver products in individual pails, drums, and totes to full truckload and container quantities throughout the region.

ABOUT OUR PRODUCTS:

Unique Properties of Organosilanes:

- Silicon compounds with organic functional groups
- Unique ability to bind inorganic molecules to organic ones
- Ability to be used to crosslink polymers
- Can make hydrophilic products hydrophobic

Industrial Applications Include:

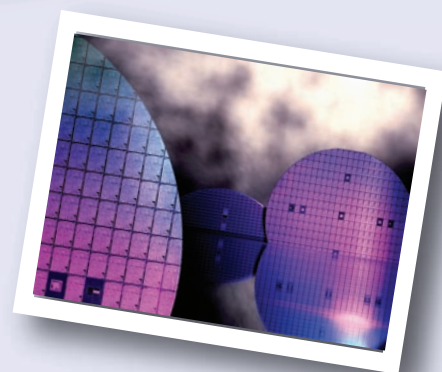
- Sealants and Adhesives
- Fiberglass & Mineral Treatment
- Paint & Coatings
- Polymer Synthesis
- Rubber, Plastic & Elastomer Compounding

General Silane Uses:

- Adhesion Promoter/Coupling Agent
- Crosslinking Agent
- Surface Modifier
- Water Scavenger
- Cobinder/Comonomer

Tetra Ethyl Ortho Silicate (TEOS):

- Range of purities and silica content
- Electronics applications
- Paint and mold binders
- High purity source of silica for synthesis



SILANE SELECTION GUIDE:

Functional Group	AL ₂ Chem Products	Chemical Name	Fiberglass & Components				Rubber Compounding			Plastic Compounding			Adhesives & Sealants		Mineral, Filler Treatment		Polymer Synthesis	
			Fiberglass insulation	Fiberglass Reinforcements	Mineral Reinforcements	Foundry Resins	Tires	General Rubber Goods	Wire and Cable	Crosslinkers for PE	Coupling Agents	Processing Aids	Adhesives	Sealants	Coupling Agents	Dispersing Aids	Co-monomers	Organoreactive Modifiers
Amino	AL150	3-Aminopropyltriethoxysilane																
	AL156	3-Aminopropyltrimethoxysilane	●	●	●	●				●		●	●	●	●			
	AL157	3-Aminopropylmethyldiethoxysilane	●	●	●	●				●		●	●	●	●			
	AL151	2-Aminoethyl-3-aminopropyltrimethoxysilane	●	●	●	●				●		●	●	●				
	AL152	2-Aminoethyl-3-aminopropyltriethoxysilane	●		●	●				●		●	●	●				
	AL153	2-Aminoethyl-3-aminopropylmethyldimethoxysilane		●	●	●				●		●		●				
Alkyl	AL111	n-Octadecyltrimethoxysilane												●			●	
	AL110	Dodecyltrimethoxysilane												●			●	
	AL112	n-Octyltriethoxysilane	●								●	●	●		●			
	AL113	n-Octyltrimethoxysilane	●								●	●			●		●	
	AL114	n-Propyltrimethoxysilane	●									●						
	AL115	n-Propyltriethoxysilane	●									●						
	AL171	Methyltriethoxysilane	●									●				●		
	AL191	Methyltrimethoxysilane	●									●				●		
AL192	Methyltriacetoxysilane											●						
Oxime	AL194	Vinyltris(methylethylketoxime)silane											●					
	AL193	Methyltris(methylethylketoxime)silane											●					
Epoxy	AL160	3-Glycidoxypropyltrimethoxysilane	●	●	●				●	●		●	●	●				
	AL162	3-Glycidoxypropylmethyldimethoxysilane	●	●	●							●	●	●				
	AL161	3-Glycidoxypropyltriethoxysilane	●	●	●							●	●	●				
Vinyl	AL120	Vinyltriethoxysilane		●	●				●	●	●		●	●				
	AL121	Vinyltrimethoxysilane		●	●				●	●	●		●	●				
	AL126	Vinyltris(2-methoxyethoxy)silane							●					●			●	
	AL123	Vinylmethyldimethoxysilane							●					●				
	AL125	Vinyltrichlorosilane			●		●					●				●		
AL2468	2,4,6,8-TetramethylTetravinylcyclotetrasiloxane							●							●	●		
Acrylate	AL170	3-Methacryloxypropyltrimethoxysilane		●	●								●					
	AL174	3-Methacryloxypropyltriethoxysilane		●	●								●					
	AL172	3-Methacryloxypropylmethyldimethoxysilane		●	●								●					
Mercapto	AL180	3-Mercaptopropyltrimethoxysilane		●	●	●	●	●				●	●	●	●			
	AL181	3-Mercaptopropyltriethoxysilane		●	●	●	●	●				●	●	●	●			
Sulfur	AL69	Bis(3-triethoxysilylpropyl)tetrasulfide						●	●									
	AL69C	Bis(3-triethoxysilylpropyl)tetrasulfide (50% CB)						●	●									
	AL75	Bis(3-triethoxysilylpropyl)disulfide						●	●									
Ureido	AL158	3-Ureidopropyltriethoxysilane(50%in methanol)									●		●	●			●	
	AL159	3-Ureidopropyltrimethoxysilane(50%in methanol)									●		●	●			●	
Chloro	AL133	3-Chloropropylmethyldimethoxysilane														●		
	AL130	3-Chloropropyltriethoxysilane		●	●			●	●					●				
	AL131	3-Chloropropyltrimethoxysilane		●	●			●	●					●				
Fluoro	ALF135	(3,3,3-Trifluoropropyl)methylcyclotrisiloxane							●							●	●	
	ALF101	(3,3,3-methyldichlorosilane							●			●				●		



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