



# Silanes

High quality silanes from Hubei Bluesky New Material Inc.

Our new partner Hubei Bluesky New Material Inc. is a globally known and valued partner when it comes to organosilanes. With over 20 years of experience in this field Hubei Bluesky became one of the worldwide leading silane producers. The headquarter and production sites are located in Xiantao, Hubei province in China. The annual production capacity amounts to about 200'000 tons per year. Moreover our partner offers:

- ✓ Continuous production of raw materials
- ✓ Flexible production chain of key silanes
- ✓ Precise control of production yielding high quality silanes
- ✓ Own application center and technical support
- ✓ Customized silanes upon request

Our silanes find application as **crosslinking agents, coupling agents, catalysts and oligomers** in a broad range of industries. Please find below our REACh-registered portfolio as well as our product selection guide.

## REACh-registered product range

Product name	Chemical name	CAS
<b>Amino silanes</b>		
LT-540	( $\gamma$ -Aminopropyl)trimethoxysilane	13822-56-5
LT-550	( $\gamma$ -Aminopropyl)triethoxysilane	919-30-2
LT-792	(N-( $\beta$ -Aminoethyl)- $\gamma$ -aminopropyl)trimethoxysilane	1760-24-3
<b>Epoxy silanes</b>		
LT-560	( $\gamma$ -(2,3-Epoxypropoxy)propyl)trimethoxysilane	2530-83-8
<b>Vinyl silanes</b>		
LT-171	Vinyltrimethoxysilane	2768-02-7
<b>Methacryloxy silanes</b>		
LT-570	( $\gamma$ -(Methacryloxy)propyl)trimethoxysilane	2530-85-0
<b>Oxime silanes</b>		
D-30	Methyltris(methylethylketoxime)silane	22984-54-9
D-50	Methylethylketoxime	96-29-7
D-90	Vinyltris(methylethylketoxime)silane	2224-33-1
<b>Acetoxy silanes</b>		
D-10	Methyltriacetoxysilane (pure)	4253-34-3
D-16	Propyltriacetoxysilane	17865-07-5
<b>Alkoxy silanes</b>		
D-20	Methyltrimethoxysilane	1185-55-3
D-101	Tetramethylorthosilicate	681-84-5
Bosil-107	Hexamethyldisiloxane	107-46-0
Bosil-294	N-Octyltriethoxysilane	2943-75-1
Bosil-999	Hexamethyldisilazane	999-97-3



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## Silane selection by application and industry

Application	Mainstream silanes	Specialty silanes
Crosslinking agents	Acetoxy silane Alkoxy silane Oxime silane	Acetoxy silane Alkoxy silane MEKO-free silane
Coupling agents	Amino silane Epoxy silane Methacryloxy silane Vinyl silane	SPUR chain blocker Chain extender Long chain alkyl silane etc.
Catalysts and others	Sn type, Ti type, etc. Others: MEKO, MTS, etc.	
Oligomers		Amino silane Epoxy silane Vinyl silane

To complement this overview, an excerpt of more detailed use cases including product recommendations is listed below. This table is by no means regarded as complete, but can be taken as a useful guide.

Industry	Use case	Product recommendation
<b>Adhesives and sealants</b>	Curing agent for sealants	D-10 / D-20 / D-30 / D-90
	Adhesion promoter between substrates and resins	LT-540 / LT-550 / LT-560 / LT-792
	Crosslinker in resin matrix	LT-171 / LT-560 / LT-570
	Coupling agent between resins and fillers	LT-540 / LT-550 / LT-560 / LT-792
	Moisture scavenger in moisture cure resin system	LT-171
	Primer for surface pretreatment	LT-540 / LT-550 / LT-792
<b>Paints and coatings</b>	Adhesion promoter between substrates and resins	LT-540 / LT-550 / LT-560 / LT-792
	Crosslinker in resin matrix	LT-171 / LT-560 / LT-570
	Coupling agent between resins and fillers	LT-540 / LT-550 / LT-560 / LT-792
	Primer for surface pretreatment	LT-540 / LT-550 / LT-792
<b>Wire and cable</b>	XLPE: Crosslinker in soaking process / siloplas process	LT-171
<b>Fillers and pigments</b>	<i>Filler surface modification to match with:</i>	
	Acrylic resin	LT-550 / LT-560 / LT-570
	PVC plastisols resin	LT 550 / LT-792
	Epoxy resin	LT-550 / LT-560
	Phenolic resin	LT-550 / LT-560
	Unsaturated polyester resin	LT-570
<b>Glass fibers and fabrics</b>	<i>Surface modification to match with:</i>	
	Acrylic resin	LT-570 / LT-560 / LT-550
	Epoxy resin	LT-550 / LT-560
	Phenolic resin	LT-550 / LT-560 / LT-540
	Unsaturated polyester resin	LT-570 / LT-550

Your silane of interest is not listed? Please contact us. Our Performance Chemicals team will be glad to discuss this matter with you.

Distributed by

**IMPAG AG**

Räffelstrasse 12 +41 43 499 25 00  
8045 Zurich info@impag.ch  
Switzerland www.impag.ch

**IMPAG GMBH**

Neulinggasse 29/2/16 +43 1 907 39 13 300  
1030 Vienna info@impag.at  
Austria www.impag.at