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Nanjing Silfluo New Materials Co., Ltd.

Nanjing Silfluo New Material Co., Ltd.

SILICONE
FLUORINE
PHOSPHORUS
NEW MATERIAL

We help you find the product that best suits your project

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Why choose OUR BUSINESS

- Diversity: Based on years of experience in the silicone industry, our product categories have expanded from silane coupling agents to silicone oil, silicone resin, silicone rubber, and organophosphorus additive series; in the future, we will continue to develop new products to meet customer needs ;
- Good quality: From raw material procurement, production, inspection, packaging, to delivery, every link is controlled by professional personnel. The entire manufacturing process of our products will be standardized with the requirements of ISO certification combined with our internal quality assurance framework.
- The professional foreign trade sales team provides customers with timely pre-sale, sale and after-sale communication services.

About our COMPANY

Nanjing Silfluo New Material Co., Ltd. (Silfluo) is a high-tech enterprise specializing in the research, development, production and sales of new organic silicon and phosphorus materials.

RELIABLE PARTNER

Focus on technological innovation, quality assurance, customer first, cooperation and mutual win

Major in silanes, silicone oils, silicone resins, silicone rubbers, silicone additives, organophosphorus flame retardants and electronic chemicals

Develop organic silicon deep-processing products with high technology and high added value

CHOOSING THE RIGHT SILANE

Silanes are bifunctional molecules that act as adhesion promoters, crosslinkers and moisture scavengers in many different applications.

The properties and effects of silanes are defined by their molecular structure:

Y-(CH2)n-Si(OX)3, where:

Y = organofunctional group

OX = silicon-functional group

n = 0 or 3

The organofunctional group Y links with the polymer. This group must be chosen carefully to ensure maximum compatibility with the resin. The silicon-functional groups OX, usually alkoxy groups, must be hydrolyzed to the silanol (Si-OH) first before they can bond to the substrate or crosslink.

In general, ethoxy silanes will hydrolyze at a slower rate than their methoxy equivalents.

Choosing the right silane for your application by using the guide below or contacting our experts. The organic functional groups listed below can be used with Thermoplastic resins, Thermosetting resins, or Elastomeric applications:

Polymer	Compatibility guideline: polymers and functional groups of silanes					
	Amino	Epoxy	Sulfur	Mercapto	Methacryloxy	Vinyl
Acrylic	☆	☆		△	△	
Acrylic latex	#	△			☆	☆
Butyl		△	△	△	☆	
Cellulosics	△					#
Epoxy	☆	△		△		
Furan	☆	△				
Melamine	☆	△				
Neoprene				☆		
Nitrile	#	#	☆	☆		
Nitro-cellulose	△					
Phenolic	△	△		△		
Polyamide	☆	△				
Polyester	#	#			☆	△
Polyether	#				☆	
Polyolefin	#	△			☆	☆
Polysulfide	#	#	☆	☆		
Polyurethane	☆	#		☆		
Polyvinyl butyral	#					
PUD	△	#				
Silicone					☆	△
SBR emulsion		#				
Styrene butadiene	#	#	☆	☆		
Urea-formaldehyde	△	△				
Vinyl	△					

☆=Generally Effective △=Alternate #=Only effective with specific silane grades

PRODUCTS

SPECIALTY SILANE / SILOXANE / SILAZANE



Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Aryl/Phenyl Silane					
LS-M11	Phenyltrimethoxysilane	2996-92-1	221-066-9	Phenyl silane used as crosslinking agent for silicone resin and to produce polymer organic silicon compound.	Dynasylan 9165, CP 0330, Dowsil Z-6124, KBM-103, A-153
LS-E11	Phenyltriethoxysilane(Donor A)	780-69-8	212-305-8	Phenyl silane used as crosslinking agent in high-temperature silicone elastomers, as an electron donor ("A-donor") .	Dynasylan 9265, CP 0320, Catylen D100, Z-9805, KBE-103, P-triethoxy
LS-M12	Diphenyldimethoxysilane	6843-66-9	229-929-1	Phenyl silane in a polymer reaction	Dow AY43-047,Dynasylan 6010, KBM-202SS
LS-E12	Diphenyldiethoxysilane	2553-19-7	219-860-5	Phenyl silane in a polymer reaction	Dow 1-6533, KBE-202
LS-M13	Dimethoxymethylphenylsilane	3027-21-2	221-192-4	Phenyl silane in a polymer reaction	
LS-M14	Methoxytriphenylsilane	1829-41-0	217-382-1	Contains silane groups, which are connected to various groups through PEG, including carboxyl, hydroxyl, amino, maleamide, etc., and silane coupling agents (PEG derivatives) can be coupled with inorganic materials (glass, metal, SiO_2), etc. joint reaction.	
LS-H12	Dihydroxydiphenylsilane	947-42-2	213-427-4	A very useful intermediate for the synthesis of organosilicon materials, have excellent mechanical and thermal properties as well as various special optical properties. Sol-gel polymers synthesized with diphenylsilanediol have been studied to reduce the birefringence of waveguides.	
LS-H13	Triphenylsilanol; Hydroxytriphenylsilane	791-31-1	212-339-3	Used in the synthesis of pharmaceutical intermediates or other polymers, etc.	
Vinyl Silane					
LS-23	Vinyltri(isopropoxy)silane	18023-33-1	16753-62-1	Used for crosslinking vinyl and acrylic emulsions	Z-6550, CoatOsil1706
LS-M21	Vinylmethyldimethoxysilane	16753-62-1	240-816-6	Used as glass fiber surface treatment, inorganic filler in plastics, sealants, adhesives and adhesives, etc.; For the production of methyl vinyl silicone rubber (VMQ).	Wacker XL12
LS-24	Vinyltriisopropenoxysilane	15332-99-7	239-362-1	It can be used as a crosslinker of RTV-1 silicone rubber	

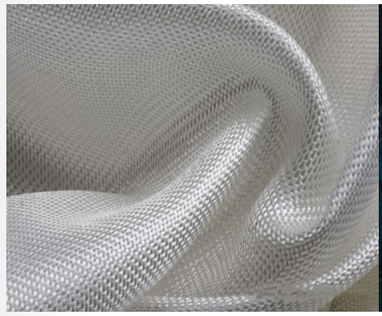
PRODUCTS
SPECIALTY SILANE / SILOXANE / SILAZANE

Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Alkyl/Alkoxy Silane					
LS-E31	Tetraethyl orthosilicate/Ethyl silicate/Tetraethoxysilane(TEOS) electronic grade	78-10-4	201-083-8	Electronic-grade alkoxy silane has high requirements on purity. The purity of electronic-grade tetraethoxysilane usually needs to be above 8N, and the impurities need to be less than 1ppb. The production barrier is relatively high. It is mainly used in the CVD (Chemical Vapor Deposition) process in the IC wafer process to deposit a thin film layer on the surface of the semiconductor device.	
LS-M31	Tetramethyl orthosilicate/Methyl silicate/Tetramethoxysilane electronic grade	681-84-5	211-656-4	It is mainly used in the CVD (Chemical Vapor Deposition) process in the IC wafer process to deposit a thin film layer on the surface of the semiconductor device.	
LS-M32	Dicyclopentyldimethoxysilane; DCPDMS; (Donor-D)	126990-35-0		A new type of olefin polymerization external electron donor. Improve the crystallinity, isotacticity and apparent density of polyolefin products due to its unique and excellent performance in olefin polymerization; Used alone or in combination with other electron donors to adapt to the production of different grades of polypropylene;	Evonik Catylen D400
LS-M33	Cyclohexylmethyldimethoxy silane; CMMS; Donor-C/C-Donor	17865-32-6		Additive for propylene polymerization high-efficiency carrier type catalyst; As a good external electron donor in its catalyst system; Used in propylene bulk and solvent polymerization.	
LS-E34	1,2-Bis(triethoxysilyl)ethane	16068-37-4	240-212-2	New type of di-silane, bis-silyl functional has six hydrolyzable groups, Organic synthetic intermediate and pharmaceutical intermediate	
Isocyanate/Isocyanurate					
LS-M41	3-Isocyanatopropyltrimethoxysilane(TESPI)	15396-00-6	239-415-9	New type of coupling agent with reactivity and crosslinking ability. It can be hydrolyzed and react with moisture, alcohols, amines etc.	Silquest A-Link 35, Shin-Etsu KBM-9007, Wacker GF 40
LS-E41	3-Isocyanatopropyltriethoxysilane(IPTS)	24801-88-5	246-467-6	New type of coupling agent with reactivity and crosslinking ability. It can be hydrolyzed and react with moisture, alcohols, amines etc.	Silquest A-Link 25, Silquest A-1310, Shin-Etsu KBE-9007
LS-M42	3-Isocyanatopropylmethyldimethoxysilane	26115-72-0	N/A	Isocyanate functional dialkoxy silane	
LS-E42	3-Isocyanatopropylmethyldiethoxysilane	33491-28-0	N/A	Isocyanate functional dialkoxy silane	
LS-M43	1,3,5-tris[3-(trimethoxysilyl)propyl]isocyanurate(TTMSPI)	26115-70-8	247-465-8	Acts as adhesion promoter. It has high boiling point, high concentration of trimethoxy silyl groups, isocyanurate chemistry, low basicity and dispersed alkoxy groups.	Silquest A-Link 597, Silquest Y 11570, Silquest Y 11597
LS-M44	α-Isocyanatomethyltrimethoxysilane	78450-75-6	N/A	α Isocyanate functional dialkoxy silane	
LS-E45	1,3,5-Tris(triethoxysilylpropyl)isocyanurate	82194-46-5	N/A	Isocyanurate	
LS-M46	1,3,5-Tris(methyldimethoxysilylpropyl)isocyanurate	26115-71-9	N/A	Isocyanurate	
LS-M47	1,3,5-Tris(trimethoxysilylmethyl)isocyanurate	82199-95-9	N/A	Isocyanurate	

PRODUCTS
SPECIALTY SILANE / SILOXANE / SILAZANE

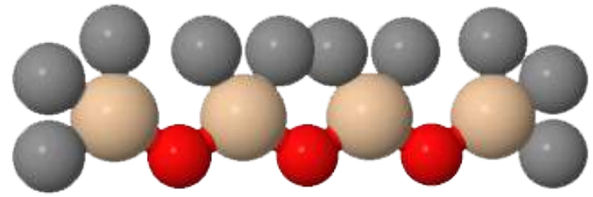
Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Fluoro Materials					
LS-M531	3,3,3-trifluoropropyl)methyldimethoxysilane	358-67-8	206-619-4	Fluoroalkyl functional silane as coupling agent; Making waterproof, anti-oil, anti-fouling treatment agent; As a finishing agent, improve the surface hydrophobicity and antifouling; Applied as the surface of glass hydrophobic antifouling treatment.	
LS-M53	3,3,3-Trifluoropropyltrimethoxysilane	429-60-7	207-059-3	As coupling agent; Making waterproof, anti-oil, anti-fouling treatment agent;	Dow's Z-6333, ShinEtsu's KBM-7103
LS-M59	1H,1H,2H,2H-Nonafluorohexyltrimethoxysilane	85877-79-8	N/A	Fluoroalkyl functional silane	Dow B 3958
LS-E59	1H,1H,2H,2H-Nonafluorohexyltriethoxysilane	102390-98-7	N/A	Fluoroalkyl functional silane	
LS-M513	1H,1H,2H,2H-Perfluorooctyltrimethoxysilane	85857-16-5	288-657-1	High heat resistance, good chemical stability, low surface free energy; As a surface modifier, make the surface hydrophobic, oil-repellent, waterproof, anti-oil, anti-fouling performance;	Dynasylan F8161
LS-E513	1H,1H,2H,2H-Perfluorooctyltriethoxysilane	51851-37-7	257-473-3	High heat resistance, good chemical stability, low surface free energy; As a surface modifier, make the surface hydrophobic, oil-repellent, waterproof, anti-oil, anti-fouling performance; Cosmetic pigment coating agent	Dynasylan F8261
LS-M517	1H,1H,2H,2H-Perfluorodecyltrimethoxysilane	83048-65-1	N/A	Waterproof, oil-repellent and reflective; Used in waterproof antifouling self-cleaning surface processing; Sol - gel system of additives, the synthesis of fluorine and silicone, the surface of the paint coated in the cosmetics, chemical vapor deposition (CVD), etc.	KBM-7803, TSL8133,
LS-E517	1H,1H,2H,2H-Perfluorodecyltriethoxysilane	101947-16-4	435-230-4	Waterproof, oil-repellent and reflective;	
LS-51	2,2,2-Trifluoroethyl methacrylate	352-87-4	206-525-3	Used as a monomer for fluorine-containing resin coatings, and for the production of functional polymer materials such as photosensitive resin materials, adhesives, and medical equipment	
LS-52	1H,1H,2H,2H-Perfluorodecanethiol	34143-74-3	N/A	Excellent hydrophobic, lipophobic and antifouling;	
LS-M512	Dodecafluoroheptylpropyltrimethoxysilane	1105578-57-1	N/A	Has excellent weatherability, hydrophobic, stripping resistance, solvent resistance and chemical stability	
LS-53C	Perfluoropolyether modified acrylic compound PFPE modified acrylic compound	N/A	N/A	As anti-dirty graffiti treatment used in a shell for white home appliances such as consumer electronics, household appliances; Optical components such as consumer electronics products, LCD display; Optical lenses, disc surfaces, and other PC \ PMMA \ PET membrane surfaces.	
Oligomer/Mixture					
LS-OM71	Amino/Alkyl methoxide functional oligomeric siloxane	N/A	N/A	Diaminofunctional silane used in adhesives and sealants to improve adhesion of amino-reactive resins such as silicones (RTV), two-part urethanes, silylated urethanes, MS polymers, two-part epoxies to inorganic surfaces, plastic surfaces, as well as inorganic fillers.	Dynasylan 1146

PRODUCTS
SPECIALTY SILANE / SILOXANE / SILAZANE



Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Amino Silane					
LS-M72	N-(3-(Trimethoxysilyl)propyl)butylamine	31024-56-3	250-437-8	Unique secondary amino structure, which accelerates silane - capped hybrid polymer (SPUR) production and capture of toxic NCO- groups	Dynasylan 1189, KBM-573, SZ-6083
LS-M73	γ-Aminopropyl-N-cyclohexylmethyldimethoxysilane	35141-30-1	252-390-9	Triamino-functional propyltrimethoxysilane, adhesion promoter and surface modifier, improved adhesion, moisture and corrosion resistance	Dynasylan TRIAMO, Silquest A-1130, Y5621
LS-72	1,2-Bis(trimethoxysilyl)ethane	18406-41-2	242-285-6	Acts as an adhesion promoter and crosslinking agent; Used in sol-gel systems;	Dynasylan BTSE, Silquest Y-9805
LS-M74	Bis(trimethoxysilylpropyl)amine	82985-35-1	280-084-5	Excellent crosslinking properties, acts as an adhesion promoter and surface modifier in silane-terminated polyurethanes	Dynasylan 1124, Silquest A-1170, KBM-666P
LS-E74	Bis(triethoxysilypropyl)amine	13497-18-2	236-818-1	Excellent crosslinking properties, acts as an adhesion promoter and surface modifier in silane-terminated polyurethanes	Dynasylan 1122
LS-M71	N-phenyl-3-aminopropyltrimethoxysilane	3068-76-6	221-328-2	As adhesion promoter, combines phenyl and amino functionality in the same molecule	Silquest Y-9669, Z-6083, KBM-573
LS-M75	3-[[3-(Trimethoxysilyl)propyl]amino]propanenitrile	140938-83-6	N/A	Better storage stability, not easy to turn yellow	
LS-M76	N-(bis 2-cyanoethyl) -3-amide-propyl trimethoxysilane	N/A	N/A	Better storage stability, not easy to turn yellow	
LS-M77	Vinylbenzylaminoethylaminopropyltrimethoxysilane	N/A	N/A	40% in methanol, coupling agent to improve adhesion of organic resins to inorganic surfaces. e.g. epoxy based print circuit board.	Z-6032, Z-6132, Z-6269
Alpha(α) Silane					
LS-M81	[3-(Diethylamino)propyl]trimethoxysilane	41051-80-3	255-192-0	As a catalyst for neutral curing part 1 of RTV's	
LS-E82	Diethylaminomethyltriethoxysilane	15180-47-9	518-047-9	A novel alfa silane used as curing agent in silicone rubber	ND22
LS-E83	(N-Phenylamino)methyltriethoxysilane	3473-76-5	N.A.	A novel alfa silane used as curing agent in silicone rubber; Used in glass fiber enhanced plastic and mineral filling plastic.	ND42
LS-E84	Dichloromethyltriethoxysilane	19369-03-0	N.A.	Used as surface treatment and silicone rubber curing agent	ND43
LS-E85	Methacryloxymethyltriethoxysilane	5577-72-0	N.A.	Adhesion promoter in silicone rubber	
LS-E86	N-(3-(Triethoxysilyl)methyl)butylamine	N.A.	N.A.	Adhesion promoter in silicone rubber	
LS-E87	N-[(Triethoxysilyl)methyl]cyclohexylamine	26495-91-0	247-744-4	Adhesion promoter in silicone rubber	
LS-E88	2-aminoethylamine methyl triethoxysilane	N.A.	N.A.	Adhesion promoter in silicone rubber	

PRODUCTS
SPECIALTY SILANE / SILOXANE / SILAZANE



Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Siloxane/Silazane					
LS-610 /HMDO	Hexamethyldisiloxane(MM, HMDO)	107-46-0	203-492-7	Capping agent, water repellent and inorganic filler treatment agent	
LS-611 /HMDS	Hexamethyldisilazane(HMDS) HMDS electronic grade	999-97-3	213-668-5	Used as a tackifier and photoresist in the chip photolithography process, photoresist, used as a stabilizer for lithium battery electrolyte, can improve the electrochemical performance and cycle performance of lithium-ion batteries, and medical use.	Dynasylan HMDS
LS-624 /V4	Tetravinyltetramethylcyclotetrasiloxane(V4)	2554-06-5	219-863-1	To be used in the production process of high vinyl silicone fluid, addition molding silicone rubber, liquid silicone, high vinyl silicone rubber, vinyl hydroxy silicone fluid, etc.; As basic raw materials for the synthesis of various silicone rubbers.	DOWSIL™ 1-2287 Intermediate, Dow MV- CYC-4
LS-623	1,3-Divinyl-1,1,3,3-tetramethyldisilazane	7691-02-3	231-701-1	Used in the manufacture of silicone resin rubber, silicone resin colloid and vinyl silicone resin; Adhesion promoter for negative photoresist.	
LS-622	Divinyltetramethyldisiloxane(Vinyl double head)	2627-95-4	220-099-6	Used in addition molding silicone rubber, silicone gel, liquid silicone, vinyl silicone resin, vinyl silicone fluid, platinum chromium compound, etc.	Degussa CD 6210
LS-612	1,1,3,3-Tetramethyldisiloxane (Hydrogen-containing double head)	3277-26-7	221-906-4	Used in the production of addition molding silicone rubber, silicone gel, methyl hydrogen silicone oil and other special additives	
LS-613	1,1,3,3-tetramethyl-1,3-bis[3-(oxiranylmethoxy)propyl] -Disiloxane (Glycidoxy Dual-end Siloxane, ternary polymer production material)	126-80-7	204-803-9	Raw materials for ternary copolymerization	
LS-673	Heptamethyltrisiloxane	1873-88-7	217-496-1	Containing highly active silicon-hydrogen bond, it is the basic raw material for synthesis of polyether modified trisiloxane. Polyether modified trisiloxane is a kind of surface active agent with special structure, which can be used in pesticide additives and coating additives;	
LS-614	Hexaphenyldisiloxane	1829-40-9	217-381-6	Used in the synthesis	
LS-651	1,3,5-Tris[(3,3,3-trifluoropropyl)methyl]cyclotrisiloxane/D3F	2374-14-3	219-154-7	Used for processing and manufacturing fluorosilicone, liquid fluorosilicone, hydroxyl fluorosilicone oil, fluorosilicone grease, fluorosilicone liquid, defoamer, etc.	
LS-615	1,1,5,5-Tetramethyl-3,3-diphenyl-trisiloxane	17875-55-7	241-828-4	Widely used as crosslinking agent of liquid silicone rubber, phenyl silicone rubber or phenyl resin, especially for LED encapsulation; Manufacturing dedicated medical products.	

PRODUCTS

SPECIALTY SILANE / SILOXANE / SILAZANE

Long term relationships that deliver mutual benefit.

New potentional products are the future of one corporation, if there is any new interesting products, we welcome you to contact us and we will check the possibilites with our lab.

We deeply know that global procurement is necessary. Many of our regular customers often ask our help to inquire about some products and make a combined shipment with our products.

So in similar industries, We also offering some sourcing services for our regular customers by using our knowledges of chemicals as well as our backgroud in China.

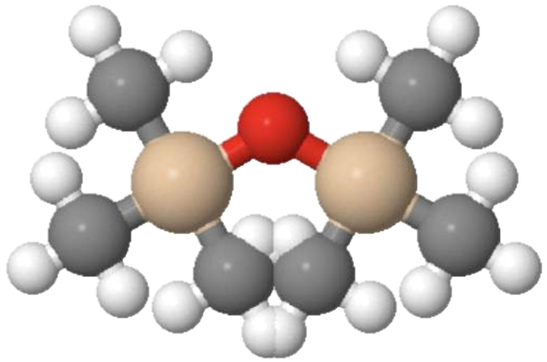
Product Code	Chemical Name	CAS NO.	EINECS NO.	Description	Equivalent
Other Specialties					
LS-C11	N,O-Bis(trimethylsilyl)acetamide(BSA)	10416-59-8	233-892-7	Neutral silane protective agent, widely used in organic synthesis, mainly drug synthesis	Dynasylan BSA
LS-C12	Allytrimethoxysilane	2551-83-9	219-855-8	Used in LED, OLED, display materials, optical materials, light curing materials, digital materials and other industries or fields	
LS-C13	3,5-dimethyl-N-(3-(dimethoxymethysilyl)propyl)-1H-pyrazole-1-carboxamide	N/A	N/A	Improve the adhesion and bonding properties	
LS-C14	1,1,3,3-Tetramethyl-2-[3-(trimethoxysilyl)propyl]guanidine	69709-01-9	274-092-8	As a crosslinking agent and accelerator; Used with VIPS for room temperature vulcanization silicone rubber.	
LS-PEG10	3-(Methoxypolyoxyethylene)trimethoxysilane	N/A	N/A	Used in resin, ink, coating, rubber	
LS-PEG20	3-[Methoxy(polyethyleneoxy)-propyl]trimethoxysilane; MPEG-propyltrimethoxysilane	65994-07-2	N/A	MPEG-silane is a linear monofunctional methyl ether PEG with a reactive tri-ethoxy silane group; Silane PEG is often used to PEGylate glass and hydroxylated surfaces and particles.	Dynasylan 4140; Dynasylan 4144; Dynasylan 4150

PRODUCTS
SILICONE FLUID

Product Code	Chemical Name	Tech Data & Application
LF-201	Dimethyl silicone oil	Viscosity (25℃/cst) 50,100,350,500,1000,12500,60000. Insulation oil, lubricating oil, shock-proof oil, foaming agent, release agent, mineral oil additive.
LF-221	High-viscosity dimethyl silicone oil	Viscosity (25℃/cst) 100000, 300000, 500000. Used for lubrication, damping, can be used for the application of shock absorption, or for the effect of molding; Based on the incompatibility of organic silicon and the system, it is applied to products and other products.
LF-211	Low-viscosity dimethyl silicone oil	Viscosity (25℃/cst) 5,10,20. Industrial application: such as glass bottle and lens coatings, home product components, mechanical fluids, oily permeability, surface activated components, coatings, electrical insulation flow, and brighter components.
LF-AM11	Long chain alkyl-modified silicone oil	Viscosity (25℃/cst) 350~550. Lubricant, lubricating fat foundation oil; anti -foaming agent; personal care supplies additives; release agent.

Product Code	Chemical Name	Tech Data & Application
LF-VT11	Vinyl silicone oil (Vinyl terminated polydimethylsiloxane)	Viscosity (25℃/cst) 20,50,100,200,245,300,350,500,1000,2000,5000,10000,20000,60000,100000. Used as a basic material for adding liquid silicone rubber; It is used to add the main raw materials of electronic glue, thermal conductivity, LED lamp glue, etc.; Used for the main raw material of ionizing agent (lyric silicon oil); This product reaches a variety of organic materials such as polyurethane and acrylic acid, which can make new materials with excellent performance (weather resistance, aging, anti -ultraviolet rays, enhanced toughness, etc.). use.
LF-VT51	Vinyl silicone oil (Vinyl terminated polydimethylsiloxane)	Viscosity (25℃/cst) 70,100,500,1000,10000. This product adopts a special synthesis process. The product does not contain metal ions such as potassium and sodium, and has low volatile matter and extremely low residual mixed ring volume (D3~D10), thus ensuring excellent electrical properties. It is especially suitable for the coating and packaging of high-end products such as silicon wafers, semiconductors, optical fibers, and avionics.
LF-MT11	Trimethoxy-terminated polydimethylsiloxane Alkoxy silicone oil (capped 107)	Viscosity (25℃/cst) 400~600,1000~1500,2700~3300, 6000~9000,16000~24000,30000~42000,70000~90000. It is suitable for the coating and packaging of high-end products such as silicon wafers, semiconductors, optical fibers, and avionics.

PRODUCTS
SILICONE FLUID



Product Code	Chemical Name	Tech Data & Application
LF-PM11	Phenylmethyl silicone oil	Viscosity (25℃/cst) 100,500,1000,50000. Base oil for low-temperature silicone grease; lubricant for plastic bearings working in low-temperature environments; working fluid for hydraulic transmission; damping fluid for instruments and devices; heat transfer fluid for oil bath systems.
LF-PV11	Phenylvinyl silicone oil	Viscosity (25℃/cst) 200~10000 High refractive index, low volatile content; High and low temperature resistance; Weather resistance; Excellent optical performance; One of the main raw materials in the field of LED packaging.
LF-PV12	Phenylvinyl silicone oil	Viscosity (25℃/cst) 500,1000,5000,10000. This product is vinyl-terminated phenyl silicone oil, which is the base polymer of phenyl addition type silicone rubber.
LF-PH11	Phenyl hydrogen silicone oil	Viscosity (25℃/cst) 40~120. Crosslinking agent for addition-type phenyl silicone rubber; high refractive index, low volatile content; one of the main raw materials in the field of LED packaging.

Product Code	Chemical Name	Tech Data & Application
LF-MF11	Methyl fluoro silicone oil	Viscosity (25℃/cst) 200,500,1000,5000,10000,20000. With low surface tension, it can be used as a defoamer in the oil and gas and coating industries; With excellent oil and solvent resistance, it can be used as a raw material for anti-corrosion greases and silicone greases.
LF-VF11	Vinyl fluoro silicone oil	Viscosity (25℃/cst) 200,500,1000,5000,10000,20000. With excellent oil resistance and solvent resistance, it can be used as a raw material for fluorosilicone rubber.
LF-VTF11	Vinyl terminated fluorine silicone oil	Viscosity (25℃/cst) 300~100000, customized. Suitable for the raw materials such as fuel - resistant, heat -resistant, and good electrical insulation, and quality materials such as fuel tank seals, fuel oil pipes and other product raw materials; Suitable for active diluents for bonus fluoride silicon rubber.
LF-HF11	Hydroxy fluorine silicone oil	Viscosity (25℃/cst) 50~50000, customized. It is suitable for the structural control agent of fluorine silicon rubber; It is suitable for the base glue and diluted material of the sulfurizing silicon rubber in the contraction.
LF-HF12	Hydrofluoro silicone oil	Viscosity (25℃/cst) 30~50; 50~100, customized. Used as a bonus -silicon rubber, linked agent, chain expansion, fluorine silicon rubber coatings, and other applications.

PRODUCTS
SILICONE RESIN

Product Code	Chemical Name	Technical data
MQ Silicone Resin		
LR-MQ	Methyl MQ Silicone Resin	Apperance: white powder or clear liquid Viscosity(50% Toluene solution, mm2/s): 4.0 hydrochloric acid content(50% Toluene solution, mm2/s): ≤10 Powder packing density(g/cm3): 0.25 Molecular Weight: 5000±1000 Average granularity(μm): 100 Hydroxyl content(%): ≤0.5 M/Q value: 0.60~0.80
LR-MQV	Methyl Vinyl MQ Silicone Resin	Appearance: Transparent liquid M/Q value: 0.60~0.90 Density(25°C): 0.89-0.95 Vinyl content(%): 0.6~4.0
LR-MQVG	Water glass method vinyl silicone resin	Appearance: White powder or Colorless to light yellow clear liquid M/Q value: 0.60~0.90 Vinyl content(%): 0.25~4.0
LR-MQP	Vinyl phenyl Silicone M/Q Resin	Appearance: Colorless to light yellow clear liquid Viscosity(25°C, mPa.s): 7000-60000 Vinyl content(%): 5.1~6.0 Refractive index: 1.520-1.560 Volatile content(150°C/3h, %): ≤1
LR-MQPH	Phenyl Hydrogen Silicone Resin	Appearance: Colorless to light yellow clear liquid Viscosity(25°C, mPa.s): 40-6800 Hydrogen content(%): 0.22~0.52 Refractive index: 1.4900-1.5500 Volatile content(150°C/3h, %): ≤1

Product Code	Chemical Name	Technical data
Silicone Resin Intermediate		
LR-P10	Phenylsilicone resin intermediate	Appearance: Colorless clear liquid Viscosity(25°C, mPa.s): 8-180 Specific gravity: 1.05-1.20 Methoxy content(%): 15-18
LR-HP10	Hydroxyphenyl silicone resin intermediate	Appearance: solid flake Functional groups: silanol Silicon dioxide content: 50-52% Phenyl/propyl proportion: 2.7/1 Average molecular-weight: 2600-3200 Solid resin content (1,5g,3h at 135°C) : 99%min Softening Point: 40-50°C
Other Resins		
LR-610	Polymethylsilsesquioxane Spherical Silicone Resin	Appearance: White spherical powder Average particle size: 2~6um Particle size distribution: 1-15um Active ingredient: ≥99% Suggested dosage PS resin: 0.5-1.0% PC resin: 0.25-0.75% Coating glue: 0.2-1.0% Makeup: 0.5-5%
LR-10	silicone resin for thermally conductive gels	We have, please contact.
LR-11	Resins for Optics	We have, please contact.

Note: It could be customized upon requirement.

Please conduct a trial test before using this product to confirm whether it is suitable for the purpose of use. In addition, the use described does not guarantee that it will not conflict with any patent.

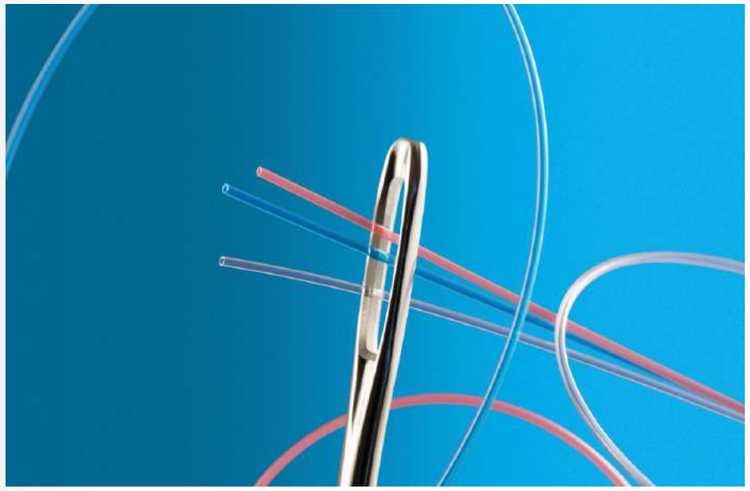
PRODUCTS
SILICONE RUBBER

Product Code	Chemical Name	Tech Data & Application
LR-HTV	Phenyl vinyl methyl silicone; Poly dimethyl diphenyl vinyl siloxane; Phenyl silicone gum; PVMQ	Phenyl content (mol %): 5.0-25.0 Vinyl content (mol %): 0.10-0.35 In addition to a series of characteristics of vinyl silicone rubber, this product also has excellent low temperature resistance, radiation resistance, burning resistance and self-extinguishing properties. It is one of the important materials in the aerospace industry and cutting-edge technology. It can be used as a variety of molded and extruded products, used for sealing rings, gaskets, pipes, and rods that are resistant to cold and burning, heat aging and radiation. It can also be used to make various special-purpose products, such as: making damping materials, pressure-sensitive adhesives, etc.
LR-RTV	Phenyl silicone gum (RTV); Dihydroxy poly dimethyl diphenyl siloxane	Viscosity(25℃, mPa.s): 2000-10000 Phenyl content (mol%): 2.5-20.0 In addition to excellent electrical properties, weather resistance, and ozone resistance, this product also has good low temperature resistance, radiation resistance, ablation resistance and self-extinguishing properties. It can be used as potting material for various electronic and electrical components, and can also be used as impregnation impression and release material, and a component of adhesive. It is still elastic at minus 120℃ and can be used for special purposes.
LR-107	Room temperature vulcanized silicone rubber (RTV-107)	Viscosity (25℃/cst): 20000, 50000, 80000. Customized107 Silicon -sulfurizing silicon rubber is a special rubber that can vulcanize at room temperature. The silicon rubber formed by the temperature of this product has excellent insulation, resistant to arc, electric halo, water resistance, and aging climate. It can be used in the range of minus 60- to 250 ° C and has waterproof, dustproof, cold prevention and other effectiveness.

Product Code	Chemical Name	Tech Data & Application
LR-110	Methyl vinyl silicone rubber (110 silicone rubber)	M.W. 45-90(×10000) This product is insoluble in water, soluble in toluene, etc. Its products have the excellent characteristics of compressed deformation, saturated water steam. In the industrial departments such as aviation, electronics, machinery, chemical industry, it can be used to create sealed materials with high and low temperatures and waterproof and moisture -proof insulation materials. Because of its physiological inertia, it can be used to produce artificial organs and medical pipes in terms of medical and hygiene. It is the raw material of silicon rubber.
LR-120	Methylphenylsilicone rubber gum (120 silicone rubber)	M.W. 50~80 (×10000); M.W. 40~70 (×10000) Excellent low temperature resistance, high temperature resistance, excellent weather resistance; It can be used as a raw material for low temperature, high temperature resistance, radiation -resistant phenyl phenyl mixed glue.

PRODUCTS
SILICONE RUBBER

Product Code	Chemical Name	Tech Data & Application
LR-F5100	Fluoro silicone gum	Thermal vulcanizated fluorine silicon polymers have excellent oil resistance and anti-solvents performance in transparent glue. They can be used at -60 ~ 200 °C. It is mainly used to prepare fluorous silicon mixed glue.
LR-F5200	F5200 High Tear Strength Series Fluorosilicone Rubber	It has excellent oil, solvent, high and low temperature resistance; high strength and high tear strength. It is an uniform mixture made on the basis of Fluoro-silicone elastomer by adding some kinds of fillers, additives etc.
LR-F5300	F5300 Low Pressure Deformation Fluorosilicone Compound	This product is an uniform mixture made on the basis of Fluoro-silicone elastomer by adding some kinds of fillers, additives etc. It has the advantages of silicone rubber and fluororubber. It has excellent oil resistance, solvent resistance, low compression deformation, good high and low temperature resistance, weather resistance, and resilience. It is an elastomer which can be used in fuel media of -60 to 225°C.
LR-F5400	F5400 High Resilience Series Fluorosilicone Rubber	It has excellent oil, solvent resistance, low compression set, good high or low temperature resistance and resilience. This product is an uniform mixture made on the basis of Fluoro-silicone elastomer by adding some kinds of fillers, additives etc.
LR-F5500	F5500 Adhesive Purpose Series Fluorosilicone Rubber	Excellent calenderability, oil resistance, solvent resistance which can bond with silicone rubber.
LR-F5502	F5502 Adhesive Purpose Series Fluorosilicone Rubber	It has excellent oil, solvent resistance, low compression set, good high or low temperature resistance and resilience.
LR-F5600	F5600 Flame-retarded Series Fluorosilicone Rubber	It has excellent oil, solvent, good high and low temperature resistance; good flame retardance which meets the UL94V0 highest flame-retardant level.
LR-F5700	F5700 Extruded Fluorosilicone Rubber	It has excellent oil, solvent resistance,acid and alkali resistance. This product is suitable for DCPH-vulcanized extrusion molding.



PRODUCTS
SILICONE SURFACTANT FOR AGRICULTURE

Product Code	Chemical Name	Tech Data & Application
LA-10	Polyether-modified trisiloxane Equivalents: Silwet L-408	CAS NO.: 67674-67-3 Surface Tension(0.1%): <20.5mN/m Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-11	Polyether-modified trisiloxane Equivalents: Silwet L-77	CAS NO.: 27306-78-1 Surface Tension(0.1%): <21.0mN/m Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-12	Polyether-modified trisiloxane Equivalents: Silwet L-77	CAS NO.: 27306-78-1 Surface Tension(0.1%): <20.5mN/m Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-13	Alkyl modified trisiloxane Equivalents: Silwet L-560	CAS NO.: 17955-88-3 Viscosity:5~6CS Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-14	Polyether modified trisiloxane Equivalents: Silwet ECO, OFX-0309	Surface Tension(0.1%): <21.0mN/m Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-15	Polyalkyleneoxide Modified Trisiloxane Equivalents: Silwet L-806	CAS NO.: 134180-76-0 Surface Tension(0.1%): <22.0mN/m Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients
LA-16	Polyether modified trisiloxane	Main active ingredient content:50% Surface Tension(0.1%): <20.5mN/m Powder formulations of pesticide and foliar fertilizer
LA-17	Modified polydimethylsiloxane	Surface Tension(0.1%): <22mN/m Viscosity:80cs Used in agrochemical like plant growth regulators, herbicide, insecticide, fungicide, fertilizers and micronutrients

PRODUCTS

ORGANOPHOSPHORUS FRAME RETARDANTS

Product Code	Chemical Name	Tech Data & Application
LP-11	Hexaphenoxycyclotriphosphazene CAS NO.: 1184-10-7	Widely used in epoxy resin, copper clad laminate, LED light emitting diode, powder coating, potting material and polymer material, it is a kind of excellent fire retardant material and self-extinguishing material.
LP-12	Poly(diphenoxy)phosphazene CAS NO.: 28212-48-8	Used in epoxy resin, powder coating, plastic and other polymer materials.
LP-13	3-Hydroxyphenylphosphinyl-propanoic acid (CEPPA) CAS NO.: 14657-64-8	Used in polyester flame retardant, good flame retardant effect, suitable for producing high-quality flame retardant polyester chips.

WHAT ARE PHOSPHAZENE FLAME RETARDANTS?

Phosphazene flame retardant is a new type of organic phosphorus flame retardant. Phosphazene compound is a kind of inorganic compound with P and N alternating double bonds as the main chain structure. It exists in a ring or linear structure. It is this product when a phenoxy group is inserted on the phosphorus atom. The introduction of the phenoxy group makes the phosphazene compound is a combination product of inorganic compound and organic compound, and it is a good halogen-free, environmentally friendly and green flame retardant.

The flame retardant mechanism of phosphazene compounds is the comprehensive effect of four ways:

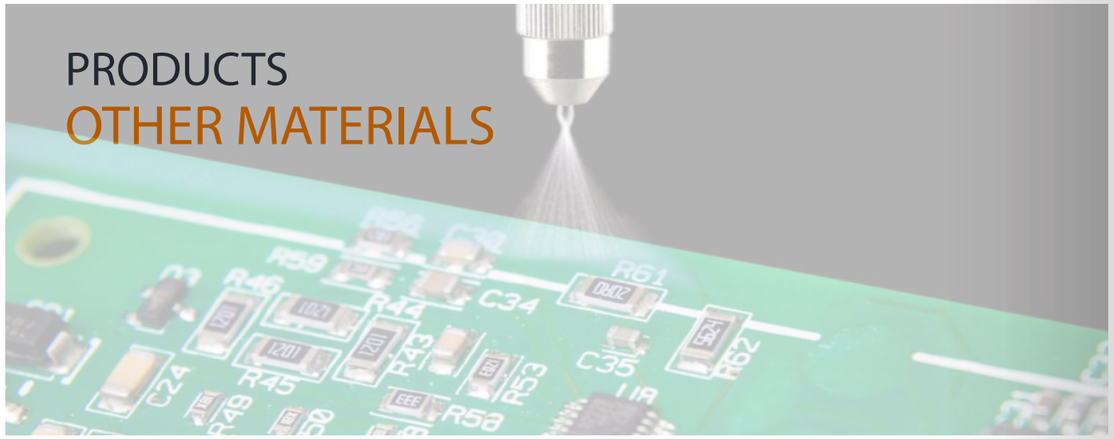
The heat absorption during thermal decomposition of phosphazene is the cooling mechanism; The phosphoric acid, metaphosphoric acid and polyphosphoric acid generated by thermal decomposition can form a layer on the surface of polymer materials. The non-volatile protective film isolates the air, which is the mechanism of the isolation film;

At the same time, it releases carbon dioxide, ammonia, nitrogen, water vapor and other gases after being heated, which is the dilution mechanism;

These non-combustible gases block the supply of oxygen to achieve In order to achieve the purpose of flame retardant synergy and synergy, and when the polymer burns, PO groups are formed, which can combine with H and HO active groups in the flame area to suppress the flame, which is the chain termination reaction mechanism. Due to the above synergistic effects, the system exhibits good flame retardancy.

Hexaphenoxycyclotriphosphazene and poly(diphenoxy)phosphazene are the main products of our company. Mainly used in:

1. Printed circuit board;
2. Special sealing materials;
3. High-frequency components;
4. Resin molded products (PC, PPE, PET, PBT, HDPE, etc.);
5. Adhesives, pressure sensitive adhesives;
6. Heat-resistant paint.



Product Code	Chemical Name	Application
Silicone Pressure Sensitive Adhesive		
LC11	Platinum-catalyzed PSA	Used for optical screen protection; Applied to PET\PE\PC\PP and other substrates; Used in medical health, electronics, industrial process protections, remote control protector, Electrical tape.
Conformal Coating		
LC12	Conformal coating	Suitable for hybrid integrated circuit boards, automotive electronic control boards, aviation instrument panels, flexible circuit boards, computer control boards, semiconductor crystal circuit protection; LED module display sealing, high shading, can well prevent lamp beads Color temperature drift, due to the high shading rate, will not affect the lumen of the lamp bead. Compared with the light tide curing coating, this product can reach the flame retardant grade of 94VO, and the hardness is only 25HD.
High Purity STC Products		
LC13 STC	High-Purity Silicon Tetrachloride (STC) CAS NO.: 10026-04-7 Content of SiCl4 (%): >99.9999%	Used to produce optical fiber, polysilicon, high-purity silica which widely used in communications, photovoltaic power generation, optical instruments; Used as a smoke screen agent in the military field; Used in metallurgy, foundry.
Silicone Grease		
Thermal Silicone Grease LG-10	Polysiloxane and supplemented with high thermal conductivity filler materials	It can thoroughly wet the contact surface and improve heat dissipation efficiency in: Laptops, projectors and OA office electronic products; Mobile and communication equipment; Radiator; High-end industrial control and medical electronics; Microelectronics and power module cooling; LED lights; Sensor;

Product Code	Chemical Name	Application
Others		
KSS	Potassium diphenylsulfone sulfonate CAS NO.: 63316-43-8	Used in transparent or translucent halogen-free flame retardant polycarbonate (PC) material(recommended dosage is 0.1~1%, the actual dosage should be adjusted according to the formula. In the PC flame retardant formula, because the addition amount is low, it is very important to disperse evenly, otherwise the effect will be reduced, and a dispersant can be added appropriately. It can also be made into high-concentration masterbatch, and then the masterbatch is pumped together with PC.)
PAP	Perfluor anionic surfactant Perfluorobutane sulfonic acid potassium CAS NO.: 29420-49-3	Used in synthetic materials for flame retarding.
DTD	1,3,2-Dioxathiolane 2,2-dioxide; 1,2-Ethylene sulfate; Ethylene Sulfate CAS NO.: 1072-53-3	Used in electrolyte of lithium-ion batteries; Used as hydroxyethylation reagents in organic synthesis to synthesize pharmaceutical intermediates; Used as a raw material for the synthesis of certain heterocyclic compounds for gelatin hardening, antihypertensive drugs and new double surfactants.
LIHMDS	Lithium bistrimethylsilylamide(LiHMDS) Chemical formula: (CH3)3Si]2NLi CAS NO.: 4039-32-1	Used in organic reactions like generating enolates for the preparation of lactone precursors, pyranones, and cyclohexanes; Used to catalyze the addition of phosphine P-H bonds to carbodiimides leading to phosphaguanidines. Also used in a novel three-step synthesis of disubstituted 1,2,5-thiadiazoles.
BOC	Di-t-butyl dicarbonate(BOC) CAS NO.: 24424-99-5	Used to introduce tert-butoxycarbonyl (BOC) protecting agent in organic synthesis such as medicine, protein and peptide synthesis, biochemistry, food, cosmetics, etc. , especially suitable for amino-protection of amino acids.