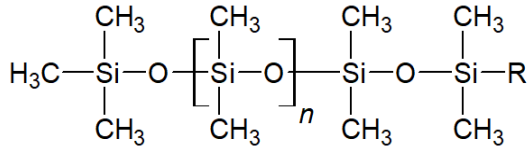
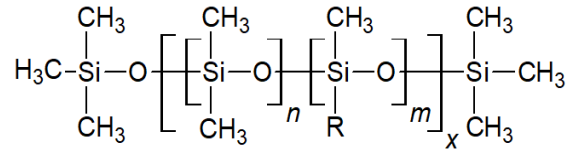


# Reactive Silicone Fluids (Basic)

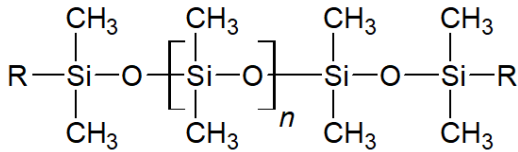
## Single-end reactive silicone fluids



## Pendant reactive silicone fluids



## Dual-end reactive silicone fluids

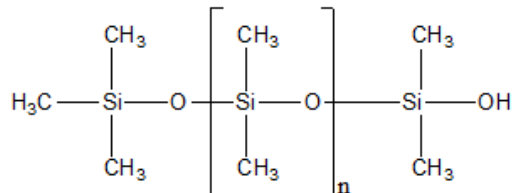
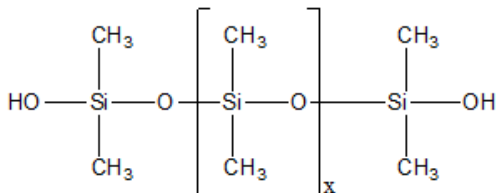


**R :** [Reactive] hydroxyl, Vinyl, Hydrogen  
 [Non-Reactive] Methyl

# Product List

## Reactive Silicone Fluids (Basic)

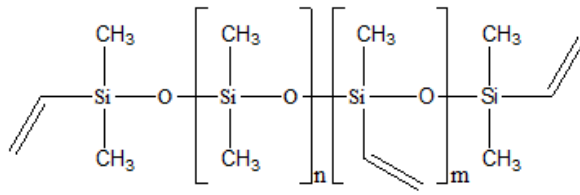
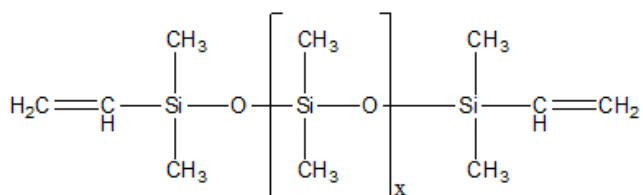
Functional group	Structure	Product code	Viscosity [25°C] (cP)	Volatile content [150°C, 3hr] (%)	Functional group	Remark	Feature
Hydroxyl (R: -OH)	Single-end	SF2002ODK001	1,000	<0.5	-		
	Dual-end	SF2000EDX060	50~70	<7	1.8~2.5 wt%	Oligomer	
		SF2001EDK005	5,000	<0.5	0.07 wt%		
		SF2001EDK020	20,000	<0.5	0.04 wt%		- Minimum viscosity slope
		SF2001EDK050	50,000	<0.5	0.035 wt%		- Low flammability
		SF2001EDK080	80,000	<0.5	0.03 wt%		- Low surface tension
						- Non-corrosive	



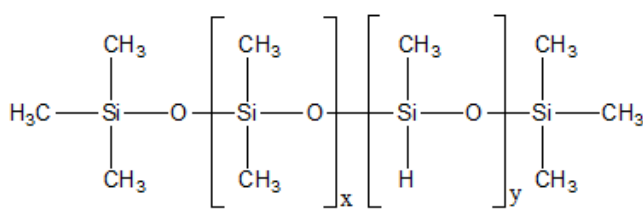
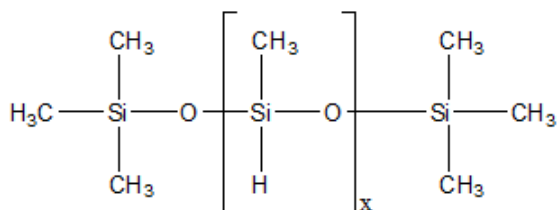
# Product List

## Reactive Silicone Fluids (Basic)

Functional group	Structure	Product code	Viscosity [25°C] (cP)	Volatile content [150°C,3hr] (%)	Functional group	Remark	Feature
Vinyl (R: CH=CH <sub>2</sub> )	Dual-end	SF3000EDX100	100	<3.0	0.30~0.45 mmol/g		
		SF3000EDX200	200	<3.0	0.20~0.30 mmol/g		
		SF3000EDX400	400	<0.5	0.155~0.185 mmol/g		
		SF3000EDK001	1,000	<1.0	0.102~0.122 mmol/g		
		SF3000EDK010	10,000	<1.0	0.045~0.063 mmol/g		
		SF3000EDK070	70,000	<1.0	0.023~0.031 mmol/g		
		SF3000EDK150	150,000	<3.0	0.017~0.024 mmol/g		
	Pendent (Vinyl ended)	SF3010PDX200	200	<3.0	2.25~2.55 mmol/g	Vinyl ended Block type	
		SF3010PDK006	6,000	<3.0	0.815~1.303 mmol/g		



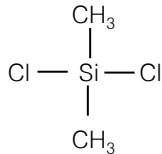
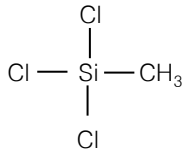
Functional group	Structure	Product code	Viscosity [25°C] (cP)	Volatile content [150°C,3hr] (%)	Functional group	Remark	Feature
Hydrogen (R: H)	Pendent	SF6000P	20~25	<3 [105°C]	15.0~16.0 mmol/g	Methyl ended	- Colorless, - Non-toxic in nature - Cures to give a durable film
		SF6200P	15~20	<5 [105°C]	14.5~15.5 mmol/g		
		SF6003P	30~40	<3 [105°C]	4.0~4.6 mmol/g	Methyl ended Block type	
		SF6005P	35~45	<3 [105°C]	6.8~7.4 mmol/g		



# Product List

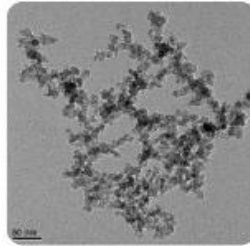
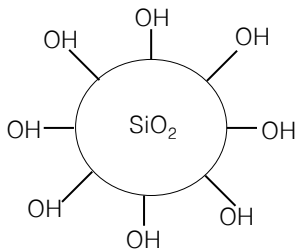
## Reactive Silicone Monomer (Basic)

Functional group	Structure	Product code	Appearance	Purity (%)	Functional group	Feature
Chlorine (R: Cl)	Monomer	SA1002C	Colorless	Min. 99	Chlorine	<ul style="list-style-type: none"> <li>- SiC Ring Precursor</li> <li>- Catalyst electrolyte salt of LIB</li> <li>- Coupling agent</li> </ul>
		SA1003C	Colorless	Min. 99.5	Chlorine	



## Fumed Silica (Basic)

Structure	Product code	Specific surface area (m <sup>2</sup> /g)	pH	Bulk Density (g/L)	Moisture content (%)	Residue					Feature
						SIEVE (%)	Cl (ppm)	Fe <sub>2</sub> O <sub>3</sub> (ppm)	Al <sub>2</sub> O <sub>3</sub> (ppm)	TiO <sub>2</sub> (ppm)	
Fumed Silica	ST1500A/B	130~170	Min. 3.9	65~95	Max. 1	Max.0.01	Max. 50	Max.30	Max. 500	Max. 300	<ul style="list-style-type: none"> <li>- Coating &amp; Paint, Ink</li> <li>- Adhesive</li> <li>- CMP Slurry</li> <li>- Additives</li> </ul>
	ST2000A/B	190~230	Min. 3.9	65~95	Max. 1.5	Max.0.01	Max.50	Max.30	Max. 500	Max. 300	
	ST3000A/B	280~340	Min. 3.9	50~80	Max. 1.5	Max.0.01	Max.50	Max.30	Max. 500	Max. 300	
	ST9000A/B	100~400	3.5~4.5	30~100	Max. 4	-	-	-	-	-	

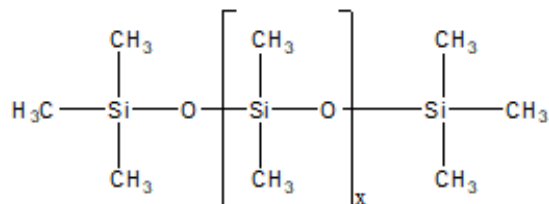


# Product List

## Non-Reactive Silicone Fluids (Basic)

Good stability of chemicals/ Low temperature flexibility/ Good heat stability/  
High oxidation resistance/ High water repellency/ Good gas permeability

Functional group	Structure	Product code	Viscosity [25°C] (cSt)	Volatile content [150°C, 3hr] (%)	Molecular Weight	Specific gravity [25°C]	Refractive Index [25°C]	Surface tension (mN/m)	Remark
Methyl (R: CH <sub>3</sub> )	Dual-end	SF1000NFC065	0.65	BP. 100 °C	162	0.760	1.375	15.9	Purity: Min. 99.0%
		SF1000NFC100	1	BP. 152 °C	236	0.817	1.382	16.8	Purity: Min. 99.3%
		SF1000NFC150	1.5	BP. 194 °C	310	0.850	1.387	17.7	Purity: Min. 99.0%
		SF1000NFC200	2	BP. 229 °C	384	0.873	1.390	18.5	Purity: Min. 99.0%
		SF1000NFX005	5	25~45	800	0.915	1.396	19.7	Volatile cont at 105°C * 3hr
		SF1000NFX006	6	10~30	950	0.920	1.397	19.9	
		SF1000NFX010	10	10~30	1,300	0.935	1.399	20.1	Volatile cont at 150°C * 3hr
		SF1000NFX020	20	<5.0	2,000	0.950	1.400	20.3	
		SF1000NFX050	50	<0.5	4,000	0.960	1.403	20.5	
		SF1000NFX100	100	<0.5	6,000	0.965	1.403	20.9	
		SF1000NFX200	200	<0.5	9,500	0.970	1.403	21.1	
		SF1000NFX350	350	<0.5	14,000	0.974	1.403	21.1	
		SF1000NFX500	500	<0.5	17,000	0.974	1.403	21.1	
		SF1000NFX670	670	<0.5	20,000	0.974	1.403	21.1	
		SF1000NFK001	1,000	<0.5	25,000	0.974	1.403	21.1	
		SF1000NFK003	3,000	<0.5	40,000	0.974	1.403	21.1	
		SF1000NFK005	5,000	<0.5	50,000	0.975	1.403	21.1	
		SF1000NFK010	10,000	<0.5	60,000	0.975	1.403	21.3	
		SF1000NFK012	12,500	<0.5	68,000	0.975	1.403	21.3	
		SF1000NFK060	60,000	<3	90,000	0.976	1.403	21.3	
SF1000NFK500	500,000	<3	125,000	0.976	1.403	21.3			

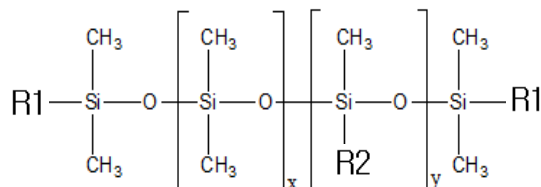


# Product List

## Silicone Gums

Ultra high molecular weight silicone fluids (Mw: 450,000 ~850,000 g/mol)

Functional group	Structure	Product code	Penetration [25°C, 50g, 10sec] (mm)	Volatile content [150°C, 3hr] (%)	Functional group	Feature
Methyl Gum	Dual-end	SF1900N	20~25	<3	-	- Non-Reactive
		SF1901N	34~39	<3	-	
Hydroxyl Gum	Dual-end	SF2900E	19~24 [15sec]	<3	-	- Reactive
		SF2901E	37~43 [15sec]	<3	-	
Vinyl Gum	Pendent (Vinyl ended)	SF3908M	26~29	<3	0.04~0.05 mole%	- Good stability of chemicals - Low temperature flexibility - Good heat stability Oxidation resistance
		SF3906M	32~36	<3	0.04~0.05 mole%	
		SF3900C	26~29	<3	0.06~0.08 mole%	
		SF3901C	32~36	<3	0.06~0.08 mole%	
		SF3902M	26~29	<3	0.22~0.24 mole%	
		SF3903M	32~36	<3	0.22~0.24 mole%	
		SF3904M	30~37	<3	1.0~1.2 mole%	- High vinyl contents
SF3905M	32~38	<3	8.1~8.3 mole%			



	R1	R2
Methyl Gum	CH3	CH3
Hydroxyl Gum	OH	CH3
Vinyl Gum	CH=CH2	CH=CH2

## Cyclosiloxanes

Volatility, Low viscosity, Colorless, Transparent

Product code	Viscosity [25°C] (cP)	Boiling Point	Specific gravity [25°C]	Refractive Index [25°C]	Surface tension (mN/m)	Composition			Remark
						D4	D5	D6	
SF0005Z	3.5~4.5	210°C	0.958	1.397	18	<0.1%	>99%	<1.0%	- Decamethylcyclopentasiloxane
SF0015Z	4~6	217°C	0.960	1.396	-	<0.1%	65%	35%	- Decamethylcyclopentasiloxane & Dodecamethylcyclohexasiloxane

