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## *Chemical Catalogue*

SKCI / Shanghai Ruihong Chem Co., Ltd.

[www.skcsimon.com](http://www.skcsimon.com)

## Our Major Products

### tetramethyltetravinylcyclotetrasiloxane (vinyl-D4)

Product code :

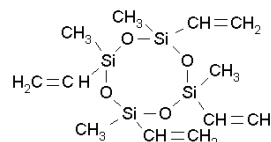
CAS No. : 2554-06-5

Molecular formular :  $[-\text{Si}(\text{CH}_3)(\text{CH}=\text{CH}_2)\text{O}-]_4$

Molecular weight : 344.66

Specification : appearance : colorless clear liquid  
refractive index :  $>1.4340$   
density(P20,g/cm<sup>3</sup>) : 0.997  
melting point :  $-44^\circ\text{C}$   
boiling point :  $111\sim 112^\circ\text{C}/10$   
flash point :  $210^\circ\text{F}$   
vinyl D4 content : min. 75%, 90%  
water content : max. 50ppm

Package : net weight 25, 250kg plastic barrel



### divinyltetramethyldisiloxane(vinyl-MM)

Product code :

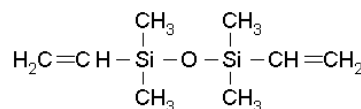
CAS No. : 2627-95-4

Molecular formular :  $[\text{H}_2\text{C}=\text{CHSi}(\text{CH}_3)_2]_2\text{O}$

Molecular weight : 186.40

Specification : appearance : colorless clear liquid  
refractive index : 1.4110  
density(P20,g/cm<sup>3</sup>) : 0.809  
melting point :  $-99^\circ\text{C}$   
boiling point :  $139^\circ\text{C}$   
flash point :  $76^\circ\text{F}$   
content : min. 98%  
water content : max. 50ppm

Package : net weight 20, 200kg plastic barrel



### trimethoxysilane(TMS)

Product code :

CAS No. : 2487-90-3

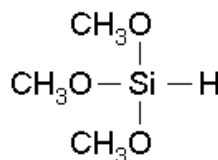
Molecular formular :  $(\text{OCH}_3)_3\text{SiH}$

Molecular weight : 122.20

Specification :

appearance : colorless clear liquid  
refractive index : 1.358  
density(P20,g/cm<sup>3</sup>) : 0.96  
boiling point :  $81^\circ\text{C}$   
flash point :  $24^\circ\text{F}$   
content : min.98%

Package : net weight 180kg metal barrel



## Our Major Products

### triethoxysilane(TES)

**Product code :**

**CAS No. :** 998-30-1

**Molecular formular :**  $(\text{OC}_2\text{H}_5)_3\text{SiH}$

**Molecular weight :** 164.28

**Specification :**

appearance : colorless clear liquid

refractive index : 1.377

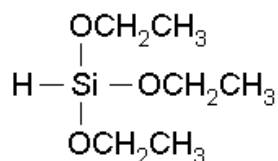
density(P20,g/cm<sup>3</sup>) : 0.89

boiling point : 134 ~ 135°C

flash point : 80°F

content : min.97%

**Package :** net weight 180kg metal barrel



### tetramethoxysilane(TEMOS)

**Product code :**

**CAS No. :** 681-84-5

**Molecular formular :**  $(\text{OCH}_3)_4\text{Si}$

**Molecular weight :** 152.22

**Specification :**

appearance : colorless clear liquid

refractive index : 1.368

density(P20,g/cm<sup>3</sup>) : 1.023

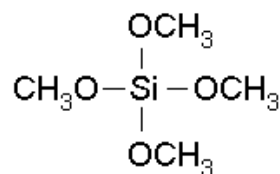
boiling point : 121 ~ 122°C

flash point : 84°F

melting point : -4°C

content : min.98%

**Package :** net weight 180kg metal barrel



### tetraethoxysilane(TEOS)

**Product code :**

**CAS No. :** 78-10-4

**Molecular formular :**  $(\text{OC}_2\text{H}_5)_4\text{Si}$

**Molecular weight :** 208.33

**Specification :**

appearance : colorless clear liquid

refractive index : 1.382

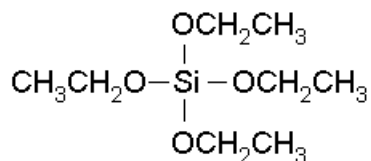
density(P20,g/cm<sup>3</sup>) : 0.934

boiling point : 168°C

flash point : 116°F

content : min.98%

**Package :** net weight 200kg metal barrel



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## 1. Silicone monomer

### methylchlorosilane mixture

Product code :

CAS No. :

Chemical composition :

a mixture of  $(\text{CH}_3)_x\text{SiCl}_{(4-x)}$  and  $(\text{CH}_3)_y\text{SiCl}_{(3-y)}$   
 $x=0\sim 3, y=0\sim 2$

Specification

appearance : light yellow to dark brown

clear liquid

Package : net weight 200kg metal barrel

### dimethyldichlorosilane(M2)

Product code :

CAS No. : 75-78-5

Molecular formular :  $(\text{CH}_3)_2\text{SiCl}_2$

Molecular weight : 129.06

Specification :

appearance : colorless clear liquid

refractive index : 1.402

density(P20,g/cm<sup>3</sup>) : 1.074

boiling point : 70 ~ 71°C

flash point : -9°C

content : min.99.5%

impurity( $\text{CH}_3\text{SiCl}_3$ ) : max. 0.5%

Package : net weight 200kg metal barrel

### methyltrichlorosilane(M1)

Product code :

CAS No. : 75-79-6

Molecular formular :  $\text{CH}_3\text{SiCl}_3$

Molecular weight : 149.49

Specification :

appearance : colorless clear liquid

refractive index : 1.411

density(P20,g/cm<sup>3</sup>) : 1.275

boiling point : 66 ~ 67°C

flash point : -10°C

content : min.99%

impurity[ $(\text{CH}_3)_3\text{SiCl}$ ] : max. 0.1%

Package : net weight 200kg metal barrel

### trimethylchlorosilane(M3)

Product code :

CAS No. : 75-77-4

Molecular formular :  $(\text{CH}_3)_3\text{SiCl}$

Molecular weight : 108.85

Specification :

appearance : colorless clear liquid

refractive index : 1.389

density(P20,g/cm<sup>3</sup>) : 0.86

boiling point : 57 ~ 58°C

flash point : -18°C

content : min.99%

Package : net weight 170kg metal barrel



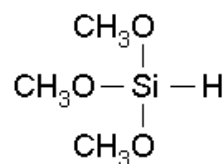
## 1. Silicone monomer

### methyldichlorosilane(MH)

Product code :  
CAS No. : 75-54-7  
Molecular formular :  $\text{CH}_3\text{HSiCl}_2$   
Molecular weight : 115.04  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.422  
density(P20,g/cm<sup>3</sup>) : 1.11  
boiling point : 41 ~ 42°C  
flash point : -25°C  
content : min.99%  
Package : net weight 200kg metal barrel

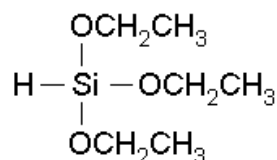
### trimethoxysilane(TMS)

Product code :  
CAS No. : 2487-90-3  
Molecular formular :  $(\text{OCH}_3)_3\text{SiH}$   
Molecular weight : 122.20  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.358  
density(P20,g/cm<sup>3</sup>) : 0.96  
boiling point : 81°C  
flash point : 24°F  
content : min.95%  
Package : net weight 200kg metal barrel



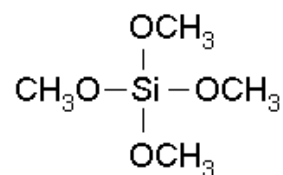
### triethoxysilane(TES)

Product code :  
CAS No. : 998-30-1  
Molecular formular :  $(\text{OC}_2\text{H}_5)_3\text{SiH}$   
Molecular weight : 164.28  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.377  
density(P20,g/cm<sup>3</sup>) : 0.89  
boiling point : 134 ~ 135°C  
flash point : 80°F  
content : min.97%  
Package : net weight 180kg metal barrel



### tetramethoxysilane(TEMOS)

Product code :  
CAS No. : 681-84-5  
Molecular formular :  $(\text{OCH}_3)_4\text{Si}$   
Molecular weight : 152.22  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.368  
density(P20,g/cm<sup>3</sup>) : 1.023  
boiling point : 121 ~ 122°C  
flash point : 84°F  
melting point : -4°C  
content : min.98%  
Package : net weight 180kg metal barrel



## 1. Silicone monomer

### tetraethoxysilane(TEOS)

Product code :

CAS No. : 78-10-4

Molecular formular :  $(\text{OC}_2\text{H}_5)_4\text{Si}$

Molecular weight : 208.33

Specification :

appearance : colorless clear liquid

refractive index : 1.382

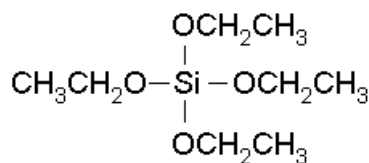
density(P20,g/cm<sup>3</sup>) : 0.934

boiling point : 168°C

flash point : 116°F

content : min.98%

Package : net weight 200kg metal barrel



### phenyltrichlorosilane(P1)

Product code :

CAS No. : 98-13-5

Molecular formular :  $\text{C}_6\text{H}_5\text{SiCl}_3$

Molecular weight : 211.55

Specification :

appearance : colorless clear liquid

refractive index : 1.523

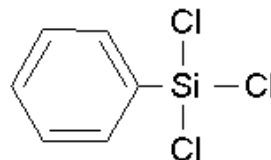
density(P20,g/cm<sup>3</sup>) : 1.321

boiling point : 201°C

flash point : 196°F

content : min.98%

Package : net weight 250kg metal barrel



### diphenyldichlorosilane(P2)

Product code :

CAS No. : 80-10-4

Molecular formular :  $(\text{C}_6\text{H}_5)_2\text{SiCl}_2$

Molecular weight :

Specification :

appearance : colorless clear liquid

refractive index : 1.5819

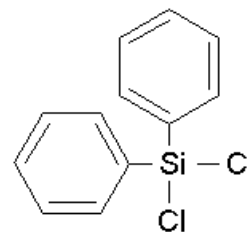
density(P20,g/cm<sup>3</sup>) : 1.2216

boiling point : 305°C

flash point : 157°C

content : min.98%

Package : net weight 250kg metal barrel



### tetrachlorosilane(STC)

Product code :

CAS No. : 10026-04-7

Molecular formular :  $\text{SiCl}_4$

Molecular weight : 169.90

Specification :

appearance : colorless clear liquid

refractive index :

density(P20,g/cm<sup>3</sup>) : 1.483

boiling point : 57.6°C

flash point : none°F

content : min.98%, 99%, 99.9%

Package : net weight 250kg metal barrel

## 1. Silicone monomer

### methylchlorosilane mixture low boiling point

Product code :

CAS No. :

Main composition :

CH<sub>3</sub>HSiCl<sub>3</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>

**Package** : net weight 200kg metal barrel

### methylchlorosilane mixture high boiling point

Product code :

CAS No. :

Main composition :

dimethyldichlorosilane, disiloxane

disilane, disilene

**Package** : net weight 200kg metal barrel

## 2. Silicone intermediate

### polydimethylsiloxane mixture hydrolisate

Product code :

CAS No. :

Main composition :

cyclics and OH ended polydimethylsiloxane mixture

Specification :

appearance : colorless clear oily liquid

density(P20,g/cm<sup>3</sup>) : 0.960 ~ 0.975

pH value : neutral

boiling point : min. 135°C

flash point : 69°C

flammable

**Package** : net weight 190kg metal barrel with plastic coating

### cyclics (DMC) polydimethylsiloxane cyclics

Product code :

CAS No. :

Molecular formular :  $[(CH_3)_2SiO]_x$  x=3,4,5

Specification :

appearance : colorless clear liquid

density(P20,g/cm<sup>3</sup>) : 0.95 +-0.02

pH value : neutral

boiling point : min. 135°C

flammable

**Package** : net weight 190kg metal barrel with plastic coating

### hexamethylcyclotrisiloxane(D3)

Product code :

CAS No. :

Molecular formular :  $[(CH_3)_2SiO]_3$

Molecular weight : 222

Specification :

appearance : crystal

boiling point : 134°C

melting point : 64.5°C

**Package** : net weight 100kg metal barrel with plastic coating

### octamethylcyclotetrasiloxane(D4)

Product code :

CAS No. : 556-67-2

Molecular formular :  $[(CH_3)_2SiO]_4$

Molecular weight : 296.61

Specification :

appearance : colorless clear liquid

refractive index : 1.3940

density(P20,g/cm<sup>3</sup>) : 0.950

viscosity(25°C,mm<sup>2</sup>/s) : 2.30

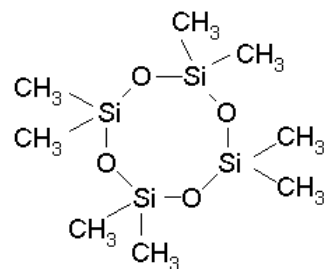
melting point : 17.5°C

boiling point : min. 175°C

flash point : 90°C

content : min. 98%

**Package** : net weight 190kg metal barrel with plastic coating



## 2. Silicone intermediate

### decamethylcyclopentasiloxane(D5)

Product code :

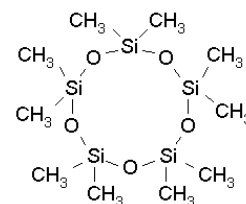
CAS No. : 541-01-6

Molecular formular :  $[(CH_3)_2SiO]_5$

Molecular weight : 370

Specification : appearance : colorless clear liquid  
refractive index : 1.3982  
density(P20,g/cm<sup>3</sup>) : 0.958  
viscosity(25°C,mm<sup>2</sup>/s) : 3.87  
melting point : -38°C  
boiling point : 210°C  
content : min. 98%

Package : net weight 190kg metal barrel with plastic coating



### hexamethyldisiloxane(MM)

Product code :

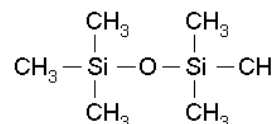
CAS No. : 107-46-0

Molecular formular :  $(CH_3)_3SiOSi(CH_3)_3$

Molecular weight : 162.2

Specification : appearance : colorless clear liquid  
refractive index : 1.3748  
density(P20,g/cm<sup>3</sup>) : 0.7619  
viscosity(25°C,mm<sup>2</sup>/s) : 0.65  
melting point : -68°C  
boiling point : 100°C  
flash point : -1°C  
content : min. 99%

Package : net weight 150kg metal barrel with plastic coating



### tetramethyltetravinylcyclotetrasiloxane (vinyl-D4)

Product code :

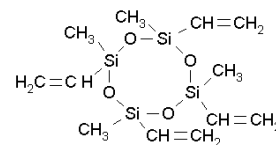
CAS No. : 2554-06-5

Molecular formular :  $[-Si(CH_3)(CH=CH_2)O-]_4$

Molecular weight : 344.66

Specification : appearance : colorless clear liquid  
refractive index : >1.4340  
density(P20,g/cm<sup>3</sup>) : 0.997  
melting point : -44°C  
boiling point : 111~112°C/10  
flash point : 210°F  
content : min. 75%, 90%

Package : net weight 100kg plastic barrel



### divinyltetramethyldisiloxane(vinyl-MM)

Product code :

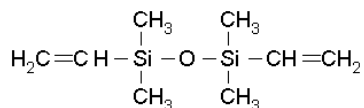
CAS No. : 2627-95-4

Molecular formula :  $[\text{H}_2\text{C}=\text{CHSi}(\text{CH}_3)_2]_2\text{O}$

Molecular weight : 186.40

Specification : appearance : colorless clear liquid  
refractive index : 1.4110  
density(P20,g/cm<sup>3</sup>) : 0.809  
melting point : -99°C  
boiling point : 139°C  
flash point : 76°F  
content : min. 98%

Package : net weight 50, 100kg plastic barrel



### Tetramethyldisiloxane(HMM)

Product code :

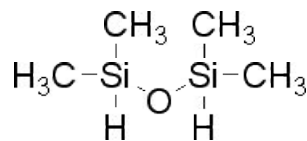
CAS No. : 3277-26-7

Molecular formula :  $[(\text{CH}_3)_2\text{SiH}]_2\text{O}$

Molecular weight : 134.32

Specification : appearance : colorless clear liquid  
refractive index : n<sub>20</sub>/D 1.370(lit.)  
density(P20,g/cm<sup>3</sup>) : 0.76  
boiling point : 70 – 71°C  
flash point : 14°F  
content : min. 98%

Package : net weight 150kg new steel drum



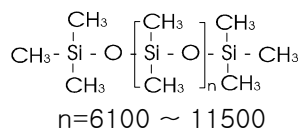
### 3. Silicone rubber

#### silicone rubber 101 polydimethylsiloxane (trimethylsiloxyl terminated)

Product code :

CAS No. :

Molecular structure :



Molecular weight :  $(45 \sim 85) \times 10^4$

Specification :

appearance : colorless clear liquid, without mechanical impurities

volatile(150°C, 3hr) : max. 3%

solubility in toluene : all soluble

**Package** : clean, dry and closed container, net weight 50kg

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventilated place

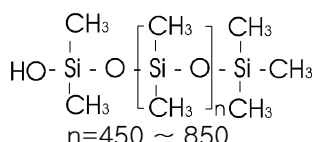
shelf-life : 3years

#### silicone rubber 107 polydimethylsiloxane silanol terminated

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless clear liquid

volatile(150°C, 3hr) : max. 2%

viscosity(25°C, mm<sup>2</sup>/s) : 107A : 2000 ~ 7000

107B : 7000 ~ 12000

tack free time(hr) : max. 2

**Package** : clean, dry and closed container, net weight 50kg

**Storage** :

keep away from fire and direct sunshine

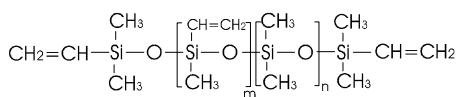
shelf-life : 18months

#### silicone rubber 110 (polydimethylvinylsiloxane)

Product code :

CAS No. :

Molecular structure :



$m=10 \sim 20, n=6000 \sim 11500$

Specification :

appearance : colorless clear liquid, without mechanical impurities

volatile(150°C, 3hr) : max. 3%

solubility in toluene : all soluble

code	110-1	110-2	110-3
M.W.( $\times 10^4$ )	50~80	45~70	60~85
Vi(%mol)	0.07~0.12	0.13~0.22	0.13~0.22

**Package** : clean, dry and closed container, net weight 25kg

**Storage** :

keep away from fire and direct sunshine

provide dry and well-ventilated place

shelf-life : 3years

### 3. Silicone rubber

#### silicone rubber compounds polymethylvinylsiloxane

**Product code :**

**CAS No. :**

**Description :** Silicone rubber compounds have many excellent properties, such as heat-resistance, insulation, shock-proof and moist-proof etc.; and not to be oxidated and not to be oxidated and decomposed under the exist of ozone and radiation.

**technical index :**

product code					
shore scale hardness	27~33	37~43	45~52	55~62	65~72

**Package :** inside paper box, lined with PE film bag, net weight 20kg or packing according to the demands of consumer

**Storage :**

avoid exposure to rain, moist and sunlight, provide dry and well-ventilated place.

shelf-life : 6months

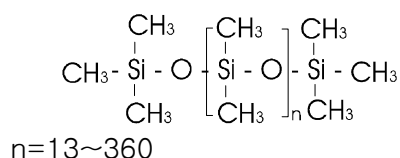
### 4. Silicone fluid

#### silicone fluid 201(polydimethylsiloxane) trimethylsiloxyl terminated

**Product code :**

**CAS No. :**

**Molecular structure :**



**Specification :**

appearance : colorless clear liquid

product classification to be listed in the following table

code	viscosity 25°C,mm²/s	refractive index	flash point open-cup,°C	density P25,g/cm³	melt point °C
201-10	10+-2	1.390~1.400	155	0.930~0.940	-65
201-20	20+-2	1.395~1.405	232	0.950~0.960	-60
201-50	50+-5	1.400~1.410	260	0.955~0.965	-55
201-100	100+-8	1.400~1.410	288	0.960~0.970	-55
201-350	350+-28	1.400~1.410	300	0.965~0.975	-50
201-500	500+-25	1.400~1.410	300	0.965~0.975	-50
201-800	800+-40	1.400~1.410	300	0.965~0.975	-50
201-1000	1000+-50	1.400~1.410	300	0.965~0.975	-55

**Package :** plastic barrel, net weight 50kg

**Storage :**

keep away from fire and direct sunshine

provide dry and well-ventilated place

shelf-life : 3years



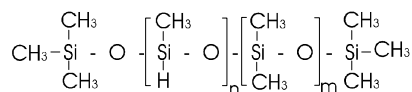
## 4. Silicone fluid

### silicone fluid 202 polymethylhydrosiloxane trimethylsiloxyl terminated

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless or light yellow clear liquid

viscosity(25°C, mm<sup>2</sup>/s) : 10~50

Hydrogen content(%) : 0.8~1.4

density(P25,g/cm<sup>3</sup>) : 0.98~1.10

**Package** : plastic barrel, net weight 50kg

**Storage** :

keep away from fire and direct sunshine

provide dry and well-ventillated place, avoid contact with basic materials

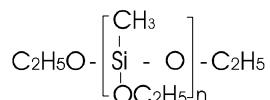
shelf-life : 6months, but applicable after the expired date of tested

### water repellant No.3 (poly-methyltriethoxysilane)

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless or light yellow clear liquid

viscosity(25°C, mm<sup>2</sup>/s) : 1~3, 3~5

pH value : 5~7

density(P25,g/cm<sup>3</sup>) : 0.920~1.050

**Package** : plastic barrel, net weight 50kg

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

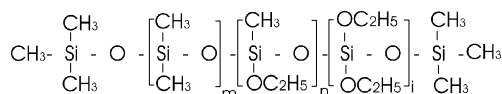
shelf-life : 6months

### silicone fluid 204 polymethyalkoxysiloxane (trimethylsiloxyl terminated)

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : light yellow or brown liquid

viscosity(25°C, mm<sup>2</sup>/s) : 60~150

content(%) : min.70

pH value : 6~8

**Package** : metal barrel, net weight 200kg

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

shelf-life : 6months

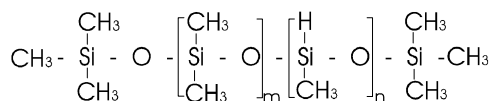
## 4. Silicone fluid

### silicone fluid 205 polymethyhydrosiloxane (trimethylsiloxyl terminated)

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless or light yellow liquid

viscosity(25°C, mm<sup>2</sup>/s) : 5~50

Hydrogen content(%) : min.0.1

pH value : 7+~0.5

**Package** : clean in closed container

**Storage** :

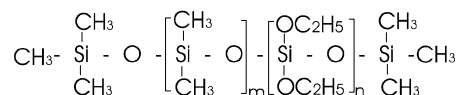
keep away from fire and direct sunshine, provide dry and well-ventillated place

### silicone fluid 206 polymethyethoxysiloxane (trimethylsiloxyl terminated)

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : light yellow liquid

viscosity(25°C, mm<sup>2</sup>/s) : 50~150

pH value : 7~8

**Package** : clean closed container

**Storage** :

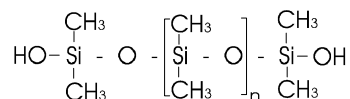
keep away from fire and direct sunshine. provide dry and well-ventillated place

### silicone fluid 207 polydimethylsiloxane (siloxyl terminated)

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless clear liquid

OH content(%) : 4~7, 8~12

**Package** : clean closed container

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

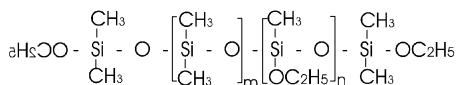
## 5. Silicone resin

### high temperature-resistant resin

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless to light yellow liquid without mechanical impurities

viscosity(20°C, cp) : 1000~3000

solid content(%) : min. 98

pH value : 6~7

refractive index : 1.45+/-0.02

density(P20, g/cm³) : 1.15+/-0.02

weight loss after heated(500°C, %) : max. 5

**Package** : sealed in plastic container, net weight 50kgs

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

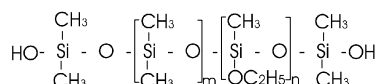
shelf-life : 6months

### high temperature-resistant resin used as mica binder

Product code :

CAS No. :

Molecular structure :



Specification :

appearance : colorless clear liquid without mechanical impurities

viscosity(20°C, mm²/s) : 15~30

gel time(150°C, min) : 3~22

resin content(%) : 50+/-2

**Package** : sealed in plastic container, net weight 50kgs

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

shelf-life : 6months

### silicone resin 1053 (polymethylphenylsiloxane)

Product code :

CAS No. :

Specification :

appearance : light yellow liquid to red or brown liquid without mechanical impurities

viscosity(25°C, #4cup, s) : 25~60

resin content(%) : min. 50

**Package** : sealed in metal container, net weight 200kgs

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

contact with acids, bases and salts are prohibited

shelf-life : 1year

### silicone resin 1153 (polymethylphenylsiloxane)

Product code :

CAS No. :

Specification :

appearance : light yellow to yellow liquid without mechanical impurities

viscosity(20°C, #4cup, s) : 20~55

resin content(%) : min. 50

**Package** : sealed in metal container, net weight 200kgs

**Storage** :

keep away from fire and direct sunshine. provide dry and well-ventillated place

contact with acids, bases and salts are prohibited

shelf-life : 1year

## 6. Silane coupling agent

### chloropropyltrimethoxysilane(CPTMS)

Product code :

CAS No. : 2530-87-2

Molecular formular :  $\text{Cl}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3$

Molecular weight : 198.72

Specification :

appearance : colorless clear liquid

refractive index : 1.4190

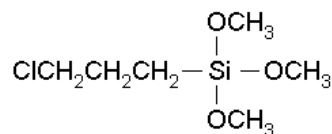
density(P20,g/cm<sup>3</sup>) : 1.090

boiling point : 195°C

flash point : 136°F

content : min. 98%

**Package** : net weight 200kg plastic barrel



### Chloropropylmethyldimethoxysilane(CPMDMS)

Product code :

CAS No. : 18171-19-2

Molecular formular :  $\text{Cl}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_2\text{CH}_3$

Molecular weight : 182.72

Specification :

appearance : colorless clear liquid

refractive index : 1.4260

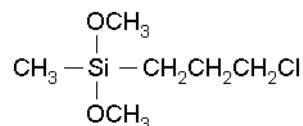
density(P20,g/cm<sup>3</sup>) : 1.019

boiling point : 70~72/11°C

flash point : 168°F

content : min. 97%

**Package** : net weight 200kg plastic barrel



### methyltrimethoxysilane(MTMS)

Product code :

CAS No. : 1185-55-3

Molecular formular :  $\text{CH}_3\text{Si}(\text{OCH}_3)_3$

Molecular weight : 136.22

Specification :

appearance : colorless clear liquid or light yellow

refractive index : 1.3700

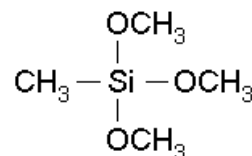
density(P20,g/cm<sup>3</sup>) : 0.955

boiling point : 102°C

flash point : 52°F

content : min. 99%

**Package** : net weight 180kg plastic barrel



### methyltriethoxysilane(MTES)

Product code :

CAS No. : 2531-67-6

Molecular formular :  $\text{CH}_3\text{Si}(\text{OC}_2\text{H}_5)_3$

Molecular weight : 178.3

Specification :

appearance : colorless clear liquid

refractive index : 1.3840

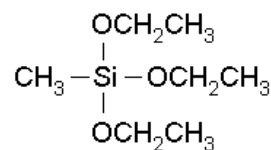
density(P20,g/cm<sup>3</sup>) : 0.895

boiling point : 142°C

flash point : 75°F

content : min. 98%

**Package** : net weight 180kg plastic barrel



## 6. Silane coupling agent

### 3-glycidoxypyltrimethoxysilane

Product code :

CAS No. : 2530-83-8

Molecular formular :  $C_9H_{20}O_5Si$

Molecular weight : 236.34

Specification :

appearance : colorless clear liquid

refractive index : 1.4290

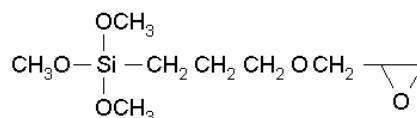
density(P20,g/cm<sup>3</sup>) : 1.070

boiling point : 290°C

flash point : >230°F

content : min. 95%

Package : net weight 200kg plastic barrel



### phenyltrimethoxysilane(PTMS)

Product code :

CAS No. : 2996-92-1

Molecular formular :  $C_6H_5Si(OCH_3)_3$

Molecular weight : 198.3

Specification :

appearance : colorless clear or light yellow liquid

refractive index : 1.4680

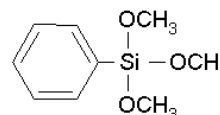
density(P20,g/cm<sup>3</sup>) : 1.062

boiling point : 233°C

flash point : 183°F

content : min. 97%

Package : net weight 180kg plastic barrel



### vinyltrimethoxysilane(VTMS)

Product code :

CAS No. : 2768-02-7

Molecular formular :  $CH_2=CHSi(OCH_3)_3$

Molecular weight : 148.24

Specification :

appearance : colorless clear liquid

refractive index : 1.3920

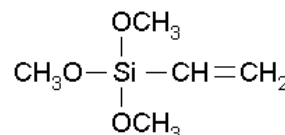
density(P20,g/cm<sup>3</sup>) : 0.968

boiling point : 123°C

flash point : 73°F

content : min. 98%

Package : net weight 180kg plastic barrel



### tri(2-butanoneoxime)methylsilane(MOS)

Product code :

CAS No. : 22984-54-9

Molecular formular :

Molecular weight : 301.46

Specification :

appearance : colorless clear or light yellow liquid

refractive index :

density(P20,g/cm<sup>3</sup>) :

boiling point : °C

flash point : °F

content : min. 95%

Package : net weight 180kg plastic barrel

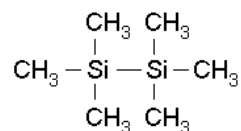
## 6. Silane coupling agent

### tri(2-butanoneoxime)vinylsilane(VOS)

Product code :  
CAS No. : 2224-33-1  
Molecular formular :  
Molecular weight : 313.45  
Specification :  
appearance : colorless or light yellow liquid  
refractive index :  
density(P20,g/cm<sup>3</sup>) :  
boiling point :  
flash point : °F  
content : min. 95%  
**Package** : net weight 180kg plastic barrel

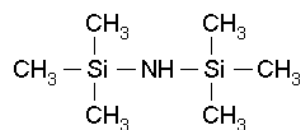
### hexamethyldisilane(HMD)

Product code :  
CAS No. : 1450-14-2  
Molecular formular : (CH<sub>3</sub>)<sub>3</sub>SiSi(CH<sub>3</sub>)<sub>3</sub>  
Molecular weight : 146.38  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.4220  
density(P20,g/cm<sup>3</sup>) : 0.715  
boiling point : 112~114°C  
flash point : 29°F  
content : min. 98.5%  
**Package** : net weight 150kg plastic barrel



### hexamethyldisilazane(HMDS)

Product code :  
CAS No. : 999-97-3  
Molecular formular : (CH<sub>3</sub>)<sub>3</sub>SiNHSi(CH<sub>3</sub>)<sub>3</sub>  
Molecular weight : 161.40  
Specification :  
appearance : colorless clear liquid  
refractive index : 1.4080+-0.002  
density(P20,g/cm<sup>3</sup>) : 0.774+-0.003  
boiling point : 125°C  
flash point : 48°F  
content : min. 99%  
**Package** : net weight 150kg plastic barrel



## 7. Other silicone material

### N,N'-bis(trimethylsilyl)-urea

Product code :

CAS No. :

Molecular formular :  $(\text{CH}_3)_3\text{SiNHCONHSi}(\text{CH}_3)_3$

Molecular weight : 204.4

Specification :

appearance : white crystal powder

flash point : 225°C

content : min. 98%

**Package** : sealed, N2 protected(after vacuumms) PE plastic bag  
in paper box, net weiht 20kg

### ethylsilicate

Product code :

CAS No. :

Molecular formular :

Specification :

code	ethylsilicate-28	ethylsilicate-32	ethylsilicate-40
appearance	colorless clear liquid	colorless clear or light yellow liquid	colorless clear or light yellow liquid
SiO <sub>2</sub> content(%)	28+-0.5	33+-1	41+-1
density(P20.g/cm³)	0.93+-0.02	0.99+-0.03	1.06+-0.03
boiling point (°C)	169		
flash point(°C)	55		
refractive index	1.38+-0.02	1.39+-0.02	

**Package** : sealed in plastic-coated metal container, net weight 190kg

**Storage** : keep away from fire and direct sunshine. provide dry and well-ventillated place  
shelf-life : 6months

### industrial silicon metal

#### Chemical composition

name	code	chemical composition %				usage
		silicone min.	impurities(max.)			
			Fe	Al	Ca	
grade-A	Si-A	99.3	0.4	0.2	0.1	chemical reaction
grade-B	Si-B	99.0	0.5	0.3	0.2	
grade-1	Si-1	98.5	0.6	—	0.3	smelting
grade-2	Si-2	98.0	0.7	—	0.5	
grade-3	Si-3	97.0	1.0	—	1.0	

**Package** : plastic knit bag and then straw bag , net weight 1000kg, 500kg, 50kg

### silicon powder

Specification :

40~250mesh supplied sa required

**Package** : plastic bag

## 7. Other silicone material

### ter-butyldimethylsilylchloride

Product code :

CAS No. : 18162-48-6

Molecular formular :  $(\text{CH}_3)_3\text{CSi}(\text{CH}_3)_2\text{Cl}$

Molecular weight : 150.73

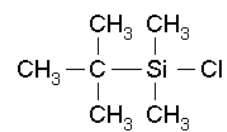
Specification :

Boiling Point (°C): 125 / 760

flash point : 73°F

content : min. 99%

Package : 25kg, 50kg, 100kg





## 8. Other chemical material

### 2-butanone oxime(MEKO)

Product code :

CAS No. : 96-27-9

Molecular formular :  $C_4H_9NO$

Molecular weight : 87.12

Specification :

appearance : colorless clear or light yellow liquid

refractive index :

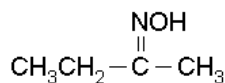
density(P20,g/cm<sup>3</sup>) :

boiling point :

flash point : °F

content : min. 99%

**Package** : net weight 180kg metal barrel



### nitrobenzene

Product code :

CAS No. : 98-95-3

Molecular formular :  $C_6H_5NO_2$

Molecular weight : 123.11

Specification :

appearance :

refractive index : 1.5530

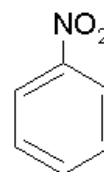
density(P20,g/cm<sup>3</sup>) : 1.204

boiling point : 210~211°C

flash point : 190°F

content : min. 99.8%

**Package** : net weight 200kg metal barrel



### dimethylnaphthalene

Product code :

CAS No. : 28804-88-8

Molecular formular :  $C_{10}H_8(CH_3)_2$

Molecular weight : 156.23

Specification :

appearance : mixture of isomers

refractive index : 1.6088

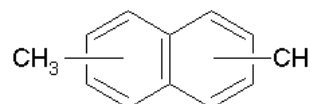
density(P20,g/cm<sup>3</sup>) : 1.010

boiling point : °C

flash point : °F

content : min. %

**Package** : net weight 200kg metal barrel



### 1-(trimethylsilyl)imidazole

Product code :

CAS No. : 18156-74-6

Molecular formular :  $C_6H_{12}N_2Si$

Molecular weight : 140.26

Specification :

appearance :

refractive index : 1.4750

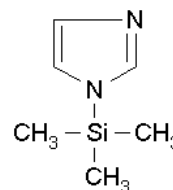
density(P20,g/cm<sup>3</sup>) : 0.956

boiling point : 93~94°C

flash point : 42°F

content : min. 99%

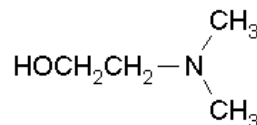
**Package** : net weight 200kg metal barrel



## 8. Other chemical material

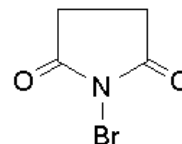
### dimethylethanolamine

Product code :  
CAS No. : 108-01-0  
Molecular formular :  $\text{HOCH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$   
Molecular weight : 89.14  
Specification :  
appearance : liquid  
refractive index : 1.4300  
density(P20,g/cm<sup>3</sup>) : 0.887  
boiling point(°C): 133 to 134 / 760  
flash point :105°F  
content : min. 97%  
**Package** : net weight 180kg metal barrel



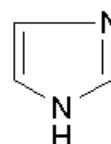
### N-bromosuccinimide

Product code :  
CAS No. : 128-08-5  
Molecular formular :  $\text{C}_4\text{H}_4\text{BrNO}_2$   
Molecular weight : 177.99  
Specification :  
appearance : solid  
melting point(°C): 180 to 183 / 760  
content : min. 98.5%  
**Package** : net weight 25kg paper barrel



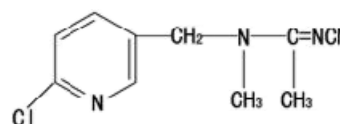
### imidazole

Product code :  
CAS No. : 288-32-4  
Molecular formular :  $\text{C}_3\text{H}_4\text{N}_2$   
Molecular weight : 68.08  
Specification :  
appearance : liquid  
melting point(°C): 89~91  
boiling point(°C): 256  
flash point :293°F  
content : min. 99%  
**Package** :



### acetamiprid

Product code :  
CAS No. : 160420-64-8  
Chemical name : N-((6-chloro-3-pyridinyl)methyl)-N'-cyano-N-methyl-ethanimidamide  
Molecular formular :  $\text{C}_{10}\text{H}_{11}\text{ClN}_4$   
Molecular weight : 222.68  
Specification :  
appearance :  
melting point(°C): 101~103.5  
**Package** :



## 8. Other chemical material

### chlorpyrifos

Product code :

CAS No. : 2921-88-2

Molecular formular :  $C_9H_{11}Cl_3NO_3PS$

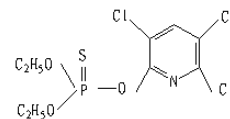
Molecular weight : 350.59

Specification :

appearance : liquid

content : min. 94%

Package :



### fenitrothion

Product code :

CAS No. : 122-14-5

Molecular formular :  $C_9H_{12}NO_5PS$

Molecular weight : 227.24

Specification :

appearance : liquid

refractive index :

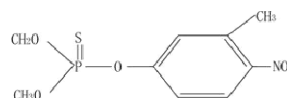
density(P20, g/cm<sup>3</sup>) :

boiling point(°C):

flash point :°F

content : min. %

Package :



### fenthion

Product code :

CAS No. : 55-38-9

Molecular formular :  $C_{10}H_{15}O_3PS_2$

Molecular weight : 278.33

Specification :

appearance : liquid

refractive index :

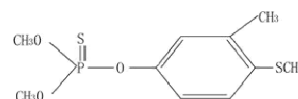
density(P20, g/cm<sup>3</sup>) :

boiling point(°C):

flash point :°F

content : min. 95%

Package :



## 9. New Items

### aminopropyltriethoxysilane

Product code :

CAS No. : 919-30-2

Molecular formular :  $C_9H_{23}NO_3Si$

Molecular weight : 221.4

Specification :

appearance : colorless clear liquid

refractive index :

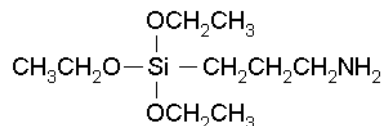
density(g/mL) : 0.946

boiling point : 217°C

flash point : 205°F

content : min. 98%

**Package** : net weight 190kg plastic barrel



### aminopropyltrimethoxysilane

Product code :

CAS No. : 13822-56-5

Molecular formular :  $C_6H_{17}NO_3Si$

Molecular weight : 179.3

Specification :

appearance : colorless clear liquid

refractive index :

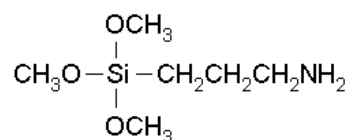
density(g/mL) :

boiling point : 91-92°C

flash point : 182°F

content : min. 98%

**Package** : net weight 190kg plastic barrel



### aminopropylmethyldimethoxysilane

Product code :

CAS No. :

Molecular formular :

Molecular weight :

Specification :

appearance : colorless clear liquid

refractive index :

density(g/mL) :

boiling point :

flash point :

content : min. 98%

**Package** : net weight 190kg plastic barrel

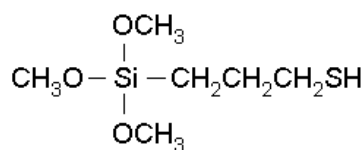
## 9. New Items

### 3-mercaptopropyltriethoxysilane

Product code :  
CAS No. :  
Molecular formular :  
Molecular weight :  
Specification :  
    appearance : colorless clear liquid  
    refractive index :  
    density(g/mL) :  
    boiling point :  
    flash point :  
    content : min. 95%  
**Package** : net weight 190kg plastic barrel

### 3-mercaptopropyltrimethoxysilane

Product code :  
CAS No. : 4420-74-0  
Molecular formular : C<sub>6</sub>H<sub>16</sub>O<sub>3</sub>SSi  
Molecular weight : 196.3  
Specification :  
    appearance : colorless clear liquid  
    refractive index :  
    density(g/mL) : 1.444  
    boiling point : 213-215°C  
    flash point : 120°F  
    content : min. 95%  
**Package** : net weight 200kg plastic barrel



### vinyltrichlorosilane

Product code :  
CAS No. : 4420-74-0  
Molecular formular : C<sub>2</sub>H<sub>3</sub>Cl<sub>3</sub>Si  
Molecular weight : 161.5  
Specification :  
    appearance : colorless clear liquid  
    refractive index :  
    density(g/mL) : 1.436  
    boiling point : 90°C  
    flash point : 51°F  
    content : min. 98%  
**Package** : net weight 250kg plastic barrel

## 9. New Items

### vinyltriethoxysialne

Product code :

CAS No. : 78-08-0

Molecular formular : C<sub>8</sub>H<sub>18</sub>O<sub>3</sub>Si

Molecular weight : 190.3

Specification :

appearance : colorless clear liquid

refractive index :

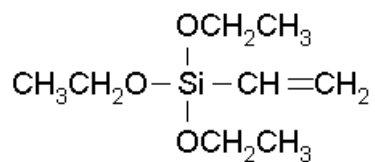
density(g/mL) : 0.903

boiling point : 160-161°C

flash point : 94°F

content : min. 98%

**Package** : net weight 190kg plastic barrel



## 10. Fluorosilicone

### 2,2,2-Trifluoroethanol

**Chemical Formula:** C<sub>2</sub>H<sub>3</sub>OF<sub>3</sub>

**Molecular Weight:** 100

**Structural formula:** CF<sub>3</sub>CH<sub>2</sub>OH

**Specification :**

Content ≥99.9%(tested by gas chromatography)

Appearance Colorless transparent liquid Physical property constant m.p.-43.5 °C, b.p.73.6 °C,

Water ≤0.1%

pH(V/V10%) 5-7

**Packaging:** 250Kgs/ drum

### 3,3,3-Trifluoropropene

**Molecular Formula:** C<sub>3</sub>H<sub>3</sub>F<sub>3</sub>

**Molecular Weight:** 96.05

**Structural formula:** CF<sub>3</sub>CH=CH<sub>2</sub>

**Specification :**

Content ≥99.8%

Water content ≤50ppm

Acid value ≤2ppm

High boiling point substance ≤0.02%

Physical property constant b.p.-22 °C

**Packaging:** 100KG,400KG, 800KG steel cylinder

### 1,1,1,3-Tetrachloropropane

**Chemical Formula:** C<sub>3</sub>H<sub>4</sub>Cl<sub>4</sub>

**Molecular Weight:** 182

**Structural formula:** CCl<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>Cl

**Specification :**

Content ≥98%(tested by gas chromatography)

Appearance Transparent liquid

Physical property constant b.p.159 °C

**Packaging:** 250 Kgs/Drum

### 2,2,2-Trifluoroethyl Methacrylate

**Molecular Formula :** C<sub>6</sub>H<sub>7</sub>F<sub>3</sub>O<sub>2</sub>

**Molecular Weight :** 168.11

**Specification :**

Content 99.5%min ( GCL)

Appearance Colorless clear liquid

Color Index 20 max ( APHA) Moisture 0.3% max

Acid Value 0.10 mg KOH/g

Inhibitor 100 ± 10 ppm (MEHQ)

Boiling point 107 °C

**Package :** 200kgs/drum

## 10. Fluorosilicone

### Trifluoropropylmethyldichlorosilane

**Molecular Formula :** C<sub>4</sub>H<sub>7</sub>Cl<sub>2</sub>F<sub>3</sub>Si

**Molecular Weight :** 211.10

**Specification :**

Content 99.5%min (GCL)

Appearance Colorless clear liquid

Boiling point 121 °C

**Package :** 250kgs/drum

### Trifluoropropylmethylcyclotrisiloxane

**Molecular Formula :** C<sub>12</sub>H<sub>21</sub>F<sub>9</sub>O<sub>3</sub>Si<sub>3</sub>

**Molecular Weight :** 468.54

**Specification :**

Content 99.5% min (GCL)

Appearance Colorless crystalline solid (below 30 °C )

Moisture 200 mg/Kg max

Physical property constant M.p. 35.2°C B.p. 239°C

**Package :** 250kgs/drum or 50kgs/drum

### Liquid fluorosilicone elastomer(AFS-R-1100)

**Molecular Formula :**

**Molecular Weight :**

**Specification :**

Item	Index		
	1101	1102	1103
Appearance	Colorless, odorless or slight yellow transparent liquid without visible impurities		
Viscosity Pa.s	1 ~ 40	80 ~ 130	160 ~ 210
PH	neutral	neutral	neutral
Content of volatile components	3.0% max		

**Package :** PE drum. Each drum is 1kg, 2kg or 5kg

**Storage :** Put in cool and dry place. Validity is 1year



## 10. Fluorosilicone

### Fluorosilicone oil(AFS-L-1000)

Molecular Formula :

Molecular Weight :

Specification :

item	Index	
	AFS-L-1001	AFS-L-1002
Appearance	Colorless, odorless or slight yellow transparent liquid	
Viscosity mPa.s	90 ~ 130	1,000 ~ 100,000
PH value	Neutral	Neutral
Hydroxyl value	5 ~ 7	
Content of volatile components(% < )		2
Flash point(℃ > )		260

**Package** : Packed in plastic drum with each 1kg, 2kg, 5kg or 20kg

**Storage** : Put in cool and dry place. Validity is 6months

### PNOBS

Molecular Formula :

Molecular Weight :

Specification :

Item	Index	
	Grade A	Grade B
Appearance	White or slight yellow powder	Slight yellow powder
Moisture(%)	0.7 max.	2.0 max.
Content of insoluble matter to ethanol(%)	0.3 max	6.0 max
Active ingredient content(%)	99.0 min	92.0 min
PH value	7 ~ 8	7 ~ 8
Surface tension(0.1% $\text{mN/m}$ )	25 ~ 27	

**Pakage** : packed in double-deck bags with each sack 1kg, 5kg or 10kg.

**Storage** : keep in dry place. Validity is 1year.

## 10. Fluorosilicone

### Height tear strength aids(AFS-A-01)

**Molecular Formula :**

**Molecular Weight :**

**Specification :**

Formula	Formula A : Fluoro elastomer 100, bisphenol A 2, BPP 0.6, Magnum oxidize 3, CaOH 6, N990 30	Formula B : Add 5 positions of AFS-A-01 to Formula A
Tensile strength(Mpa)	15.2	15.8
Elongation(%)	170	160
Tearing and deforming(5)	5	5
Anti-tearing force(kn/M)	20.3	29.6
Hardness(shore A)	80	81
Deforming under pressure (%), 200℃ X 24hr	23	28

**Package :** PE double-deck bag. 1kg, 5kg, 10kg or 20kg

**Storage :** Cool and dry place validity is 2years

### Height tear strength aids(AFS-A-02)

**Molecular Formula :** vinyl fluorosilicone oil

**Molecular Weight :**

**Specification :**

appearance : light yellow sticky liquid.

viscosity (Pa.S) : 1.3 ~ 1.5

vinyl content : 30% min.

PH value : neutral

density (g/cm<sup>3</sup>) : 1.20 ~ 1.30

**Package :** PE drum

**Storage :** Keep in dry place. Validity is 6months.

## 10. Fluorosilicone

### Plastic processing modifier (FLZ)

Molecular Formula :

Molecular Weight :

Specification :

Item	Index	
	FLZ-1	FLZ-2
Appearance	White powder	
Density(g/cm <sup>3</sup> )	1.74 ~ 1.76	1.75 ~ 1.77
Water content(%)	0.1 max	0.1 max
Article diameter(mesh)	40 max	40 max
Active ingredient content(%)	99 min	99 min

**Package** : double-deck PE bag. Each bag is 20kg.

**Storage** : 2years

### Fluorosilicone elastomer(AFS-R-1000)

Item	Index		
	1001	1002	1003
Appearance	Clear or light yellow transparent gum without visible impurities		
Density(g/cm <sup>3</sup> )	1.22 ~ 1.26		
Molecular weight(10,000)	40 ~ 60	61 ~ 90	91 ~ 120
Content of vinyl(%mol)	0.30 ~ 0.50		
Content of volatile components(% <)	2.0		

**Package** :

Complex bags made with aluminum and plastic. Each sack is 10kg.  
2sacks are put in 1 box.

**Storage** :

Validity is 2years. Put in dry and ventilate place.

## 10. Fluorosilicone

### Fluorosilicone rubber compound

#### Features

- Very high tensile and tear strengths
- Good handling properties
- Easily pigmented
- Excellent solvent/fluid resistance
- Retains properties over a wide temperature range

#### Typical properties

Property	1030-M	1040-M	1050-M	1060-M	1070-M	1080-M
Appearance	White					
Hardness (Shore A)	30	40	50	60	70	80
Tensile strength (MPa)	7.5	8.5	9.0	9.5	9.5	10
Elongation At break(%)	420	400	400	350	250	200
Tensile set(%)	7	7	7	7	7	7
Tear strength (KN/m)	18	18	18	18	18	18
Compression set after 175°C 22hrs(30%)	25	22	22	22	25	25
Fuel B 23°C 24hrs %	25	20	20	20	20	20

#### Using method

molded 10minutes at 170°C, Post-cured 5hours at 200°C

The physical properties of this product can be modified using a range of [SKCI](#) additives.

This product can be blended with other durometer fluorosilicone rubbers to produce materials with intermediate durometers and properties.

It can be also blended conventional silicone rubber to provide intermediate fluid resistance at intermediate costs.

### Trifluoropropylmethyldimethoxysilane(TFPMDMS)

**Molecular Formula :** C<sub>6</sub>H<sub>13</sub>F<sub>3</sub>O<sub>2</sub>Si

**Molecular Weight :** 202.25

**CAS no. :** 358-67-8

**Specification :**

**Content :** 97%min (GCL)

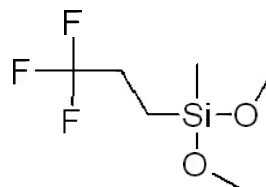
**F content :** 28.27%

**Appearance :** Colorless clear liquid

**refractive index :** n<sub>20</sub>/D 1.358

**density :** 1.089 g/mL at 20 °C(lit.)

**Package :** 200kgs/drum



### Trifluoropropylmethyldiethoxysilane(TFPMDES)

**Molecular Formula :**

**Molecular Weight :**

**CAS no. :** 118162-95-1

**Specification :**

**Content :** 97%min (GCL)

**F content :**

**Appearance :** Colorless clear liquid

**refractive index :**

**density :**

**Package :** 200kgs/drum

### Trifluoropropyltrimethoxysilane(TFPTMS)

**Molecular Formula :**

**Molecular Weight :**

**CAS no. :** 681-97-0

**Specification :**

**Content :** 97%min (GCL)

**F content :**

**Appearance :** Colorless clear liquid

**refractive index :**

**density :**

**Package :** 200kgs/drum