

Silicone Products for Personal Care



- Dimethyl Silicone Fluids
- Volatile Silicone Fluids
- Methyl Phenyl Silicone Fluids
- Amino Modified Silicones
- Fluid Compounds
- Dimethyl Silicone Blends
- High Polymerization Dimethiconols
- Amino Gum Blends
- Silicone Emulsions
- Polyether Modified Silicones
- Polyglycerin Modified Silicones
- Silicone Gels
- Silicone Acrylates
- Trimethylsiloxysilicates
- Silicone Film Formers
- Silicone Powders
- Powder Treatments
- Surface Treated Pigments
- Powder Dispersions

Contents

Product List

1 Dimethyl Silicone Fluids	P3	11 Polyglycerin Modified Silicones	P7
2 Volatile Silicone Fluid	P4	12 Silicone Gels	P8-9
3 Methyl Phenyl Silicone Fluids	P4	13 Silicone Acrylates	P10
4 Amino Modified Silicones	P4	14 Trimethylsiloxysilicates	P11
5 Fluid Compounds	P4	15 Silicone Film Formers	P11
6 Dimethyl Silicone Blends	P4	16 Silicone Powders	P12
7 High Polymerization Dimethiconols	P5	17 Powder Treatments	P12
8 Amino Gum Blends	P5	18 Surface Treated Pigments	P13
9 Silicone Emulsions	P5	19 Powder Dispersions	P13
10 Polyether Modified Silicones	P7		

Data

Dimethyl silicone fluid soluble in various solvents	P14
Volatile Data	P14
Bake-on Temperature and Processing Time	
Methyl Hydrogen Polysiloxane	P14
Solubility Dimethicone	P15
Compatibility (20%)	
Polyether Modified Silicone Fluid, Polyglycerin Modified Silicone Fluid	P15

Handling Precautions	P15
-----------------------------------	-----

1 Dimethyl Silicone Fluids

Grade \ Parameter	INCI	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Matter 150°C x 24 h %	Pour Point °C	Flash Point °C	Chinese INCI
KF-96A-1cs	TRISILOXANE	1	0.818	1.382	Boiling point 153°C	-100	37	●
KF-96L-1.5cs	DIMETHICONE	1.5	0.852	1.387	Boiling point 194°C	< -90	64	●
KF-96L-2cs	DIMETHICONE	2	0.873	1.391	Boiling point 229°C	< -120	88	●
KF-96A-5cs	DIMETHICONE	5	0.915	1.396	< 40*1	< -110	102	●
KF-96A-6cs	DIMETHICONE	6	0.925	1.397	< 5.0*1	< -100	174	●
KF-96A-10cs	DIMETHICONE	10	0.935	1.399	< 40	< -100	> 160	●
KF-96A-20cs	DIMETHICONE	20	0.950	1.400	< 4.0	< -60	> 260	●
KF-96A-30cs	DIMETHICONE	30	0.955	1.401	< 1.5	< -55	> 280	●
KF-96A-50cs	DIMETHICONE	50	0.960	1.402	< 0.5	< -50	> 310	●
KF-96A-100cs	DIMETHICONE	100	0.965	1.403	< 0.5	< -50	> 315	●
KF-96A-200cs	DIMETHICONE	200	0.970	1.403	< 0.5	< -50	> 315	●
KF-96A-300cs	DIMETHICONE	300	0.970	1.403	< 0.5	< -50	> 315	●
KF-96A-350cs	DIMETHICONE	350	0.970	1.403	< 0.5	< -50	> 315	●
KF-96A-500cs	DIMETHICONE	500	0.970	1.403	< 0.5	< -50	> 315	●
KF-96-1,000cs	DIMETHICONE	1,000	0.970	1.403	< 0.5	< -50	> 315	●
KF-96-3,000cs	DIMETHICONE	3,000	0.970	1.403	< 0.5	< -50	> 315	●
KF-96A-5,000cs	DIMETHICONE	5,000	0.975	1.403	< 0.5	< -50	> 315	●
KF-96H-6,000cs	DIMETHICONE	6,000	0.975	1.403	< 0.5	< -50	> 315	●
KF-96H-10,000cs	DIMETHICONE	10,000	0.975	1.403	< 0.5	< -50	> 315	●
KF-96H-12,500cs	DIMETHICONE	12,500	0.975	1.403	< 0.5	< -50	> 315	●
KF-96H-30,000cs	DIMETHICONE	30,000	0.976	1.403	< 0.5	< -50	> 315	●
KF-96H-50,000cs	DIMETHICONE	50,000	0.976	1.403	< 0.5	< -50	> 315	●
KF-96H-60,000cs	DIMETHICONE	60,000	0.976	1.403	< 0.5	< -50	> 315	●
KF-96H-100,000cs	DIMETHICONE	100,000	0.977	1.403	< 0.5	< -50	> 315	●
KF-96H-300,000cs	DIMETHICONE	300,000	0.977	1.403	< 0.5	< -50	> 315	●
KF-96H-500,000cs	DIMETHICONE	500,000	0.978	1.403	< 0.5	< -50	> 315	●
KF-96H-1,000,000cs	DIMETHICONE	1,000,000	0.978	1.403	< 0.5	< -50	> 315	●

* The commercial name in US is DM-FLUID-xxx, outside of US is KF-96-xxx.

(Not specified values)

*1: 105°C x 3 h

2 Volatile Silicone Fluid

Parameter Grade	INCI	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Freezing Point °C	Boiling Point °C	Flash Point °C	Surface Tension 25°C, mN/m	Chinese INCI
KF-995	CYCLOPENTASILOXANE	4.0	0.956	1.396	-40	210	77	17.8	●

* Non-linear type

(Not specified values)

3 Methyl Phenyl Silicone Fluids

Parameter Grade	INCI	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Matter 150°C x 24 h %	Pour Point °C	Flash Point °C	Chinese INCI
KF-50-100cs	DIPHENYL DIMETHICONE	100	0.995	1.427	< 0.5	< -65	> 315	●
KF-50-1,000cs	DIPHENYL DIMETHICONE	1,000	1.000	1.427	< 0.5	< -65	> 315	●
KF-53	DIPHENYL DIMETHICONE	175	1.055	1.485	< 0.3	< -30	> 300	●
KF-54	DIPHENYL DIMETHICONE	400	1.070	1.505	< 0.5	< -30	> 300	●
KF-56A	DIPHENYLSILOXY PHENYL TRIMETHICONE	15	0.995	1.498	15*	< -55	> 100	●
KF-54HV	DIPHENYL DIMETHICONE	5,000	1.080	1.503	< 0.5	< -30	> 315	●

* 105°C x 3 h

(Not specified values)

4 Amino Modified Silicones

Parameter Grade	INCI	Viscosity 25°C, mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Chinese INCI
KF-8004	AMODIMETHICONE	800	0.980	1.408	●
KF-8005S	AMINOETHYLAMINOPROPYL DIMETHICONE	1,600	0.973	1.404	●
KF-8015	AMINOPROPYL DIMETHICONE	50,000-100,000	0.975	1.405	●
KF-867S	AMODIMETHICONE	1,300	0.980	1.407	●

(Not specified values)

5 Fluid Compounds

Parameter Grade	INCI	Appearance	Viscosity 25°C, mPa·s	Specific Gravity 25°C	Chinese INCI
KS-66	SIMETHICONE	Light gray translucent liquid	300	1.01	●
KS-69	SIMETHICONE	Light gray translucent paste	2,500	1.01	●

(Not specified values)

6 Dimethyl Silicone Blends

Parameter Grade	INCI	Component A	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethicone Gum Content, %	Solvent	Chinese INCI
		Component B						
KF-9008	DIMETHICONE		30,000	0.961	1.397	20	KF-995	●
	CYCLOPENTASILOXANE							
KF-9011	DIMETHICONE		1,600	0.959	1.397	10	KF-995	●
	CYCLOPENTASILOXANE							
KF-9013	DIMETHICONE		15,000	0.954	1.401	15	KF-96A-20cs	●
	DIMETHICONE							
KF-9014	DIMETHICONE		6,000	0.960	1.397	15	KF-995	●
	CYCLOPENTASILOXANE							
MK-15H	DIMETHICONE		45,000	0.958	1.402	20	KF-96A-20cs	●
	DIMETHICONE							
X-21-5495	DIMETHICONE		3,000	0.961	1.397	15	KF-995	●
	CYCLOPENTASILOXANE							
KF-9028	DIMETHICONE		3,000	0.965	1.398	20	KF-995	●
	CYCLOPENTASILOXANE							
KF-9030	DIMETHICONE		5,000	0.955	1.401	20	KF-96A-20cs	●
	DIMETHICONE							
KF-9039	DIMETHICONE		3,000	0.800	1.413	30	ISODODECANE	●
	ISODODECANE							
KF-9043	DIMETHICONE		14,000	0.800	1.414	30	ISODODECANE	●
	ISODODECANE							

(Not specified values)

7 High Polymerization Dimethiconols

Parameter Grade	INCI	Component A	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethiconol Content %	Solvent	Chinese INCI
		Component B						
X-21-5613*	DIMETHICONOL		5,000	0.957	1.401	20	KF-96A-20cs	●
	DIMETHICONE							
X-21-5666*	DIMETHICONOL		15,000	0.960	1.398	30	KF-995	●
	CYCLOPENTASILOXANE							
X-21-5847	DIMETHICONOL		22,000	0.975	1.404	100	—	●
X-21-5849	DIMETHICONOL		100,000	0.977	1.403	100	—	●

* Blended product

(Not specified values)

8 Amino Gum Blends

Parameter Grade	INCI	Component A	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Amino Gum Content %	Solvent	Chinese INCI
		Component B						
KF-8017	AMINOPROPYL DIMETHICONE		2,000	0.956	1.401	10	KF-96A-20cs	●
	DIMETHICONE							
KF-8018	AMINOPROPYL DIMETHICONE		2,000	0.961	1.397	10	KF-995	●
	CYCLOPENTASILOXANE							
KF-8020	AMINOPROPYL DIMETHICONE		40,000	0.956	1.401	20	KF-96A-20cs	●
	DIMETHICONE							

(Not specified values)

9 Silicone Emulsions

Parameter Grade	INCI	Composition %	Appearance	Viscosity 25°C mPa·s	Base Oil	Silicone Solvent	Silicone Content %	PH 25°C	Ionic Character	Chinese INCI
KM-902	Component A : DIMETHICONE	50.0	Milky white emulsion	100	KF-96H-500,000cs	—	50	3.0	Nonionic	●
	Others	6.15								
KM-903	Component A : DIMETHICONE	18.0	Milky white emulsion	1,000	Dimethicone gum	KF-96A-200cs	60	3.0	Nonionic	●
	Component B : DIMETHICONE	42.0								
	Others	6.25								
KM-910	Component A : DIMETHICONE	36.0	Milky white emulsion	2,500	Dimethicone gum	KF-96A-200cs	60	5.0	Nonionic	●
	Component B : DIMETHICONE	24.0								
	Others	6.75								
KM-9729	Component A : DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	50.0	Milky white emulsion	—	Silicone rubber powder	—	50	5.0	Nonionic	●
	Others	2.75								
X-52-2127	Component A : DIMETHICONE	30.0	Milky white emulsion	6,000	Dimethicone gum	KF-96A-200cs	75	7.0	Cationic	●
	Component B : DIMETHICONE	45.0								
	Others	4.5								
X-52-2162	Component A : DIMETHICONE	26.0	Milky white emulsion	3,000	Dimethicone gum	KF-96A-200cs	65	3.5	Nonionic	●
	Component B : DIMETHICONE	39.0								
	Others	5.25								
X-52-2265	Component A : AMODIMETHICONE	40.0	Milky white emulsion	—	Amino modified silicone	—	40	6.0	Nonionic	●
	Others	10.1								
X-52-2328	Component A : AMINOPROPYL DIMETHICONE	12.0	Milky white emulsion	2,000	Amino modified gum	KF-96A-20cs	60	7.0	Nonionic	●
	Component B : DIMETHICONE	48.0								
	Others	9.5								

(Not specified values)

10 Polyether Modified Silicones

Parameter Grade	INCI	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Calculated HLB wt%, EO/5	Cloud Point °C	Chinese INCI
KF-6011	PEG-11 METHYL ETHER DIMETHICONE	130	1.068	1.450	14.5	65	●
KF-6011P	PEG-11 METHYL ETHER DIMETHICONE	140	1.062	1.450	14.5	65	●
KF-6012	PEG/PPG-20/22 BUTYL ETHER DIMETHICONE	1,600	1.030	1.446	7.0	35	●
KF-6015	PEG-3 DIMETHICONE	150	1.000	1.420	4.5	—	●
KF-6017	PEG-10 DIMETHICONE	600	1.007	1.420	4.5	—	●
KF-6017P	PEG-10 DIMETHICONE	850	1.004	1.420	4.5	—	●
KF-6004	PEG-32 METHYL ETHER DIMETHICONE	Solid (melting point 45°C)	—	—	9.0	—	●
KF-6028	PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	900	0.998	1.420	4.0	—	●
KF-6028P	PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	900	0.997	1.420	4.0	—	●
KF-6038	LAURYL PEG-9 POLYDIMETHYLSILOXYETHYL DIMETHICONE	700	0.958	1.430	3.0	—	●
KF-6043	PEG-10 DIMETHICONE	400	1.082	1.454	14.5	71	●
KF-6048	CETYL PEG/PPG-10/1 DIMETHICONE	2,700	0.963	1.437	3.5	—	●

* P Grade: odorless versions created using an improved deodorization process.

(Not specified values)

11 Polyglycerin Modified Silicones

Parameter Grade	INCI	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Estimated HLB	Chinese INCI
KF-6100	POLYGLYCERYL-3 DISILOXANE DIMETHICONE	40,000	1.086	1.458	Medium	●
KF-6104	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	4,000	0.976	1.409	Low	●
KF-6105	LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	4,000	0.950	1.426	Low	●
KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	3,500	0.982	1.412	Low	●

(Not specified values)

12 Silicone Gels

Parameter Grade	INCI	Component A	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked polymer %	Chinese INCI
		Component B						
KSG-15	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless transparent paste	420	1.397	KF-995	4-10	●
	CYCLOPENTASILOXANE							
USG-103	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless transparent paste	350	1.398	KF-995	8-12	●
	CYCLOPENTASILOXANE							
KSG-16	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	330	1.400	KF-96A-6cs	20-30	●
	DIMETHICONE							
USG-106	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless transparent paste	420	1.418	ISODODECANE	8-12	●
	ISODODECANE							
KSG-18A	DIMETHICONE/PHENYL VINYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	330	1.495	KF-56A	10-20	●
	DIPHENYLSILOXY PHENYL TRIMETHICONE							
KSG-19	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	360	1.399	KF-96A-6cs	10-20	●
	DIMETHICONE							
KSG-016F	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	350	1.398	KF-96A-6cs	20-30	●
	DIMETHICONE							
KSG-41A	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	400	1.455	MINERAL OIL	20-30	●
	MINERAL OIL							
KSG-42A	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	400	1.421	ISODODECANE	15-25	●
	ISODODECANE							
KSG-43	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	400	1.442	TRIETHYLHEXANOIN	25-35	●
	TRIETHYLHEXANOIN							
KSG-44	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	380	1.447	SQUALANE	25-35	●
	SQUALANE							
KSG-042Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER		Colorless transparent paste	330	1.418	ISODODECANE	15-25	
	ISODODECANE							
KSG-045Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER		Colorless turbidity paste	350	1.401	KF-995	15-25	
	CYCLOPENTASILOXANE							
KSG-048Z	LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE/ BIS-VINYLDIMETHICONE CROSSPOLYMER		Colorless translucent paste	370	1.397	KF-96L-2cs	15-25	
	DIMETHICONE							
KSG-210	DIMETHICONE/PEG-10/15 CROSSPOLYMER		Colorless milky white paste	400	1.403	KF-96A-6cs	20-30	●
	DIMETHICONE							
KSG-240	DIMETHICONE/PEG-10/15 CROSSPOLYMER		Colorless milky white paste	400	1.400	KF-995	15-25	●
	CYCLOPENTASILOXANE							

(Not specified values)

Silicone Gels

Parameter Grade	INCI	Component A	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked polymer %	Chinese INCI
		Component B						
KSG-310	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	400	1.450	MINERAL OIL	25-35	●
	MINERAL OIL							
KSG-320	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	400	1.420	ISODODECANE	20-30	●
	ISODODECANE							
KSG-330	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	395	1.442	TRIETHYLHEXANOIN	15-25	●
	TRIETHYLHEXANOIN							
KSG-340	PEG-10/LAURYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	430	1.445	SQUALANE	25-35	
	PEG-15/LAURYL DIMETHICONE CROSSPOLYMER							
	SQUALANE							
KSG-320Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	360	1.420	ISODODECANE	20-30	
	ISODODECANE							
KSG-350Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	370	1.404	KF-995	20-30	
	CYCLOPENTASILOXANE							
KSG-360Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	410	1.408	KF-96A-6cs	30-40	
	DIMETHICONE							
KSG-380Z	PEG-15/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless translucent paste	380	1.400	KF-96L-2cs	25-35	
	DIMETHICONE							
KSG-710	DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless milky white paste	400	1.400	KF-96A-6cs	20-30	●
	DIMETHICONE							
KSG-810	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless milky white paste	380	1.450	MINERAL OIL	25-35	●
	MINERAL OIL							
KSG-820	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless milky white paste	340	1.420	ISODODECANE	20-30	●
	ISODODECANE							
KSG-830	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless milky white paste	380	1.442	TRIETHYLHEXANOIN	15-25	●
	TRIETHYLHEXANOIN							
KSG-840	LAURYL DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless milky white paste	380	1.445	SQUALANE	25-35	●
	SQUALANE							
KSG-820Z	POLYGLYCERYL-3/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	360	1.420	ISODODECANE	20-30	
	ISODODECANE							
KSG-850Z	POLYGLYCERYL-3/LAURYL POLYDIMETHYLSILOXYETHYL DIMETHICONE CROSSPOLYMER		Colorless milky white paste	360	1.404	KF-995	20-30	
	CYCLOPENTASILOXANE							

(Not specified values)

13 Silicone Acrylates

Parameter Grade	INCI	Component A Component B	Viscosity 25°C mm ² /s	Content %	Solvent	Chinese INCI
KP-541	ACRYLATES/DIMETHICONE COPOLYMER		500-10,000 mPa·s	60	ISOPROPYL ALCOHOL	●
	ISOPROPYL ALCOHOL					
KP-543	ACRYLATES/DIMETHICONE COPOLYMER		100-1,000	50	BUTYL ACETATE	●
	BUTYL ACETATE					
KP-545	ACRYLATES/DIMETHICONE COPOLYMER		100-500	30	KF-995	●
	CYCLOPENTASILOXANE					
KP-550	ACRYLATES/DIMETHICONE COPOLYMER		100-3,000	40	ISODODECANE	●
	ISODODECANE					
KP-545L	ACRYLATES/DIMETHICONE COPOLYMER		800-8,000	40	KF-96L-2cs	●
	DIMETHICONE					
KP-578	ACRYLATES/ETHYLHEXYL ACRYLATE/ DIMETHICONE METHACRYLATE COPOLYMER		150-200	100	—	●
KP-561P	ACRYLATES/STEARYL ACRYLATE/ DIMETHICONE METHACRYLATE COPOLYMER		Solid (melting point 25-35°C)	100	—	●

(Not specified values)

14 Trimethylsiloxysilicates

Parameter Grade	INCI	Component A	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Resin Content %	Solvent	Film Hardness	Chinese INCI
		Component B							
X-21-5250	TRIMETHYLSILOXYSILICATE		60	1.034	1.404	50	KF-995	Soft	●
	CYCLOPENTASILOXANE								
X-21-5616	TRIMETHYLSILOXYSILICATE		10	0.916	1.412	60	ISODODECANE	Soft	●
	ISODODECANE								
X-21-5249	TRIMETHYLSILOXYSILICATE		60	1.036	1.404	50	KF-995	Medium	●
	CYCLOPENTASILOXANE								
KF-7312J	TRIMETHYLSILOXYSILICATE		120	1.050	1.405	50	KF-995	Hard	●
	CYCLOPENTASILOXANE								
KF-7312K	TRIMETHYLSILOXYSILICATE		5,000	1.070	1.410	60	KF-96A-6cs	Hard	●
	DIMETHICONE								
KF-7312L	TRIMETHYLSILOXYSILICATE		120	1.000	1.401	50	KF-96L-2cs	Hard	●
	DIMETHICONE								
X-21-5595	TRIMETHYLSILOXYSILICATE		30	0.967	1.416	60	ISODODECANE	Hard	●
	ISODODECANE								
KF-9021	TRIMETHYLSILOXYSILICATE		2,000	1.070	1.406	50	KF-995	Very hard	●
	CYCLOPENTASILOXANE								
KF-9021-ID	TRIMETHYLSILOXYSILICATE		20	0.922	1.419	50	ISODODECANE	Very hard	●
	ISODODECANE								

(Not specified values)

15 Silicone Film Formers

Parameter Grade	INCI	Component A	Viscosity 25°C	Content %	Solvent	Chinese INCI
		Component B				
NBN-30-ID	NORBORNENE/TRIS (TRIMETHYLSILOXY) SILYLNORBORNENE COPOLYMER		300 Pa·s	30	ISODODECANE	
	ISODODECANE					
TSPL-30-ID	TRIMETHYLSILOXYSILYL CARBAMOYL PULLULAN		600 mm ² /s	30	ISODODECANE	●
	ISODODECANE					
TSPL-30-D5	TRIMETHYLSILOXYSILYL CARBAMOYL PULLULAN		8,000 mm ² /s	30	KF-995	●
	CYCLOPENTASILOXANE					

(Not specified values)

16 Silicone Powders

Parameter Grade	INCI	Appearance	Loss on drying 105°C x 3h %	True Specific Gravity	Average Particle Size µm	Hardness Durometer A	Chinese INCI
KMP-590	POLYMETHYLSILSESQUIOXANE	White spherical powder	1.0	1.32	2	—	●
KMP-591	POLYMETHYLSILSESQUIOXANE	White spherical powder	1.0	1.32	5	—	●
KMP-592	METHYL/PHENYL POLYSILSESQUIOXANE	White spherical powder	1.0	1.32	2	—	
KSP-100	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White spherical powder	0.1	1.00	5	30	●
KSP-101	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White spherical powder	0.1	0.98	12	30	●
KSP-102	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White spherical powder	0.1	0.98	30	30	●
KSP-105	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	White spherical powder	0.1	0.99	2	75	●
KSP-300	DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUIOXANE CROSSPOLYMER	White spherical powder	0.1	1.11	5	40	●
KSP-411	POLYSILICONE-1 CROSSPOLYMER	White spherical powder	0.1	0.99	12	22	
KSP-441	POLYSILICONE-22	White spherical powder	0.1	0.92	12	—	

(Not specified values)

17 Powder Treatments

Parameter Grade	INCI	Viscosity 25°C, mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Volatile Content 105°C x 3h, %	Chinese INCI
KF-99P	METHICONE	20	0.999	1.396	< 5	●
KF-9901	HYDROGEN DIMETHICONE	20	0.971	1.398	< 5	●
KF-9908	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL DIMETHICONE	60	0.962	1.412	< 5	●
KF-9909	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	45	0.962	1.415	< 5	●
KP-574	ACRYLATES/TRIDECYL ACRYLATE/TRIETHOXYSILYLPROPYL METHACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	300	0.981	1.416	< 5	●
AES-3083	TRIETHOXYCAPRYLYLSILANE	2	0.875	1.417	Boiling point 100°C/2 mmHg	●

(Not specified values)

18 Surface Treated Pigments

Parameter Grade	INCI	Appearance	Loss on drying 105°C x 3h %	Water Repellency	Volatile Content 105°C x 3h, %	Chinese INCI
KTP-09R	IRON OXIDES (C.I. 77491)	Red powder	< 1.0	Yes	—	●
	TRIETHOXSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE					
KTP-09Y	IRON OXIDES (C.I. 77492)	Yellow powder	< 1.0	Yes	—	●
	TRIETHOXSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE					
KTP-09B	IRON OXIDES (C.I. 77499)	Black powder	< 1.0	Yes	—	●
	TRIETHOXSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE					
KTP-09W	TITANIUM DIOXIDE (C.I. 77891)	White powder	< 1.0	Yes	—	●
	ALUMINUM HYDROXIDE					
	TRIETHOXSILYLETHYL POLYDIMETHYLSILOXYETHYLHEXYL DIMETHICONE					

(Not specified values)

19 Powder Dispersions

Parameter Grade	INCI	Powder	Solvent	Powder Content wt%	Appearance	Viscosity 25°C mPa·s	Specific Gravity 25°C	Chinese INCI
SPD-T5	CYCLOPENTASILOXANE	TiO ₂	KF-995	40	White-light gray fluid	< 4,000	1.3	●
	TITANIUM DIOXIDE							
	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE							
	ALUMINUM HYDROXIDE							
	STEARIC ACID							
SPD-T5L	DIMETHICONE	TiO ₂	KF-96L-2cs	40	White-light gray fluid	< 4,000	1.2	●
	TITANIUM DIOXIDE							
	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE							
	ALUMINUM HYDROXIDE							
	STEARIC ACID							
SPD-T7	CYCLOPENTASILOXANE	TiO ₂	KF-995	45	White-light gray fluid	< 4,000	1.4	●
	TITANIUM DIOXIDE							
	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE							
	ALUMINUM HYDROXIDE							
	STEARIC ACID							
SPD-Z5	ZINC OXIDE	ZnO	KF-995	60	White-light yellow fluid	< 4,000	1.7	●
	CYCLOPENTASILOXANE							
	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE							
	TRIETHOXSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE							

(Not specified values)

Dimethyl silicone fluid soluble in various solvents

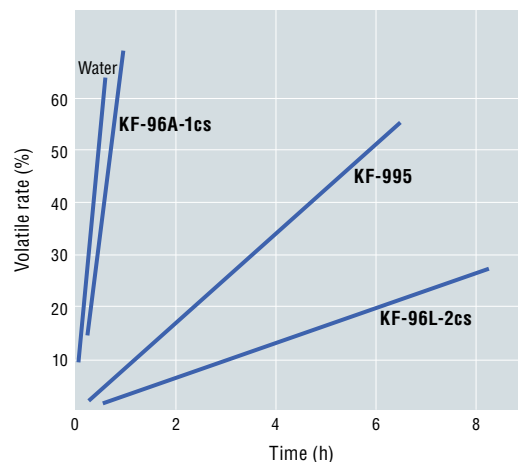
KF-96 (dimethyl silicone fluid) : Solubility of medium viscosity grades
 Note that low viscosity grades of KF-96 (5 mm²/s and below) also dissolve in ethanol and other solvents, so check prior to use.

Solvent	Result
Solvent naphtha	Soluble
Industrial Gasoline	Soluble
Mineral Spirits	Soluble
Kerosene	Soluble
Cyclohexane	Soluble
n-Hexane	Soluble
n-Heptane	Soluble
Ethyl Ether	Soluble
Diisopropyl Ether	Soluble
Hexyl Ether	Soluble
Ethyl Acetate	Soluble
Butyl Acetate	Soluble
Isopropyl Ether	Soluble
Isopropyl Laurate	Soluble
Isopropyl Palmitate	Soluble
Isopropyl Myristate	Soluble
Methyl Ethyl Ketone	Soluble
Methyl Isobutyl Ketone	Soluble
Lauryl Alcohol	Soluble
Acetone	Partially Soluble
Dioxane	Partially Soluble
Butanol	Partially Soluble
2-Ethylhexanol	Partially Soluble
Amyl Acetate	Partially Soluble
Glacial Acetate Acid	Partially Soluble
Naphthene-based Lubricating Oils	Partially Soluble
Methanol	Insoluble
Ethanol*	Insoluble
Cyclohexanol	Insoluble
Ethylene Glycol	Insoluble
Carbitol	Insoluble
Glycerin	Insoluble
Diethylene Glycol Stearate	Insoluble
Propylene Glycol	Insoluble
Liquid Paraffin	Insoluble
Paraffin Wax	Insoluble
Petrolatums	Insoluble
Lubricating Oils	Insoluble
Fatty Acid (other than Glacial Acetic Acid)	Insoluble
Animal and Vegetable Oils	Insoluble
Methyl Phthalate	Insoluble
Water	Insoluble

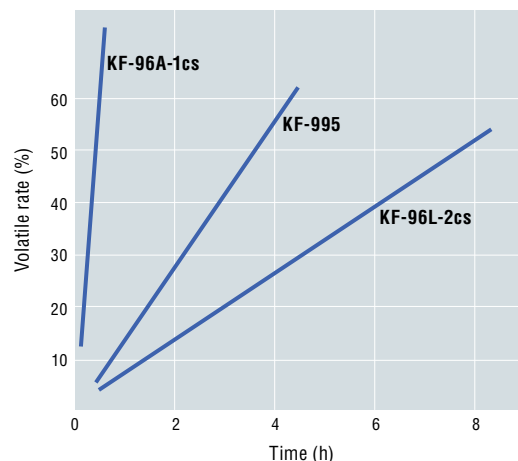
* Purity ca.95%

Volatile Data

■ Volatility at 25°C (measured by filter paper method)

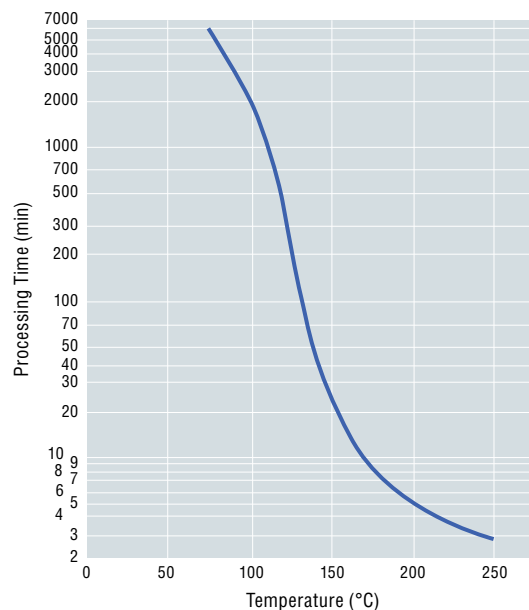


■ Volatility at 37°C (measured by filter paper method)



Bake-on Temperature and Processing Time Methyl Hydrogen Polysiloxane

(without solvent)



* Testing Condition
 Processing Liquid: 10% KF-99P Solution
 Testing Substrate: Glass

Solubility Dimethicone

KF-96L·KF-96

Cosmetic Ingredient	Silicone Fluid : Cosmetic Ingredient					
	10:1		1:1		1:10	
	KF-96L*	KF-96	KF-96L*	KF-96	KF-96L*	KF-96
Cetyl Alcohol	S	I	S	I	S	I
Bees Wax	I	I	I	I	S	I
Lanolin	I	I	I	I	I	I
Glycerine	I	I	I	I	I	I
Liquid Paraffin	S	I	S	I	S	I
Stearic Acid	P	I	I	I	I	I
Squalane	S	S	S	I	S	I
Jojoba Oil	S	I	P	I	P	I
Vaseline	I	I	I	I	S	I

S: Soluble P: Soluble at 60 to 80°C I: Insoluble

* KF-96L: KF-96A (1 – 5)

Compatibility (20%) Polyether Modified Silicone Fluid, Polyglycerin Modified Silicone Fluid

	KF-6011 6011P	KF-6012	KF-6015	KF-6017 6017P	KF-6028 6028P	KF-6038	KF-6043	KF-6048	KF-6100	KF-6104	KF-6105	KF-6106	KP-578
KF-96A-6cs (Dimethicone)	I	I	I	S	S	S	I	I	I	S	S	S	S
KF-995 (Cyclopentasiloxane)	I	I	S	S	S	S	I	S	I	S	S	S	S
KF-56A (Diphenylsiloxy Phenyl Trimethicone)	S	S	S	S	S	S	I	S	I	S	S	S	S
Mineral Oil	I	I	I	I	I	S	I	S	I	I	S	I	I
Isotridecyl Isononanoate	I	S	S	I	I	S	I	S	I	S	S	S	S
Triethylhexanoin	S	S	S	S	S	S	S	S	I	I	S	I	S
Ethanol*	S	S	S	S	S	I	S	I	S	I	I	I	I
1, 3-Butylene Glycol	S	I	I	I	I	I	S	I	S	I	I	I	I
Glycerin	I	I	I	I	I	I	I	I	S	I	I	I	I
Water	S	S	I	I	I	I	S	I	I	I	I	I	I

S: Soluble I: Insoluble

* Purity ca.95%

Handling Precautions

Quality, Storage and Handling

- Since changes in quality may occur due to exposure to heat, humidity, light or acidic or alkaline environments, be sure to close tightly and store in a cool, dark location.
- Wear rubber gloves, safety glasses and other protective gear to prevent contact with the skin and mucous membranes. In case of eye contact, immediately flush eyes with plenty of running water, and consult a physician if necessary.
- To clean, wipe off excess with a rag and then wash with water.
- Keep out of reach of children.
- Please read the Safety Data Sheet (SDS) before use. SDS can be obtained from our Sales Department.

Silicone Division Sales and Marketing Department I

Marunouchi Eiraku Bldg., 4-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005, Japan

Phone : +81-(0)3-6812-2406 Fax : +81-(0)3-6812-2414

Shin-Etsu Silicones Europe B.V.

Bolderweg 32, 1332 AV, Almere, The Netherlands

Phone : +31-(0)36-5493170 Fax : +31-(0)36-5326459

(Products & Services: Products for Cosmetics Application)

Germany Branch

Rheingastrasse 190-196, 65203 Wiesbaden, Germany

Phone : +49-(0)611-962-5366 Fax : +49-(0)611-962-9266

(Products & Services: Products for Industrial Applications)

Shin-Etsu Silicone Taiwan Co., Ltd.

Hung Kuo Bldg. 11F-D, No. 167, Tun Hua N. Rd.,

Taipei, 10549 Taiwan, R.O.C.

Phone : +886-(0)2-2715-0055 Fax : +886-(0)2-2715-0066

Shin-Etsu Silicone Korea Co., Ltd.

GT Tower 15F, 411, Seocho-daero, Seocho-gu,

Seoul 06615, Korea

Phone : +82-(0)2-590-2500 Fax : +82-(0)2-590-2501

Shin-Etsu Singapore Pte. Ltd.

4 Shenton Way, #10-03/06, SGX Centre II, Singapore 068807

Phone : +65-6743-7277 Fax : +65-6743-7477

Shin-Etsu Silicones India Pvt. Ltd.

Unit No. 403A, Fourth Floor, Eros Corporate Tower,

Nehru Place, New Delhi 110019, India

Phone : +91-11-43623081 Fax : +91-11-43623084

Shin-Etsu Silicones (Thailand) Ltd.

7th Floor, Harindhorn Tower, 54 North Sathorn Road,
Bangkok 10500, Thailand

Phone : +66-(0)2-632-2941 Fax : +66-(0)2-632-2945

Shin-Etsu Silicone International Trading (Shanghai) Co., Ltd.

29F Junyao International Plaza, No.789,

Zhao Jia Bang Road, Shanghai 200032, China

Phone : +86-(0)21-6443-5550 Fax : +86-(0)21-6443-5868

Guangzhou Branch

Room 2409-2410, Tower B, China Shine Plaza, 9 Linhexi Road,

Tianhe, Guangzhou, Guangdong 510610, China

Phone : +86-(0)20-3831-0212 Fax : +86-(0)20-3831-0207

- The data and information presented in this catalog may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specifications without notice.
- Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.
- For detailed information regarding safety, please refer to the Safety Data Sheet (SDS).
- The silicone products described herein have been designed, manufactured and developed solely for general industrial use only; such silicone products are not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of the silicone products described herein for any application, to make preliminary tests, and to confirm the safety of such products for their use.
- Users must never use the silicone products described herein for the purpose of implantation into the human body and/or injection into humans.
- Users are solely responsible for exporting or importing the silicone products described herein, and complying with all applicable laws, regulations, and rules relating to the use of such products. Shin-Etsu recommends checking each pertinent country's laws, regulations, and rules in advance, when exporting or importing, and before using the products.
- Please contact Shin-Etsu before reproducing any part of this catalog. Copyright belongs to Shin-Etsu Chemical Co., Ltd.



The Development and Manufacture of Shin-Etsu Silicones are based on the following registered international quality and environmental management standards.

Gunma Complex ISO 9001 ISO 14001
(JCQA-0004 JCQA-E-0002)

Naoetsu Plant ISO 9001 ISO 14001
(JCQA-0018 JCQA-E-0064)

Takefu Plant ISO 9001 ISO 14001
(JQA-0479 JQA-EM0298)