

Silicone Products for Personal Care



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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 Fluids

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	●
TMF-1.5	METHYL TRIMETHICONE	1.5	0.847	1.386	-83	191	60	16.8	●
KF-4422	ETHYL METHICONE	2.2	0.863	1.400	< -100	227	82	19.1	

* See page 3 for volatile dimethyl silicone fluids.

(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 Alkyl Modified Silicone Fluid

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-4418	CAPRYLYL METHICONE	2.9	0.836	1.413	10	< -100	94	●

(Not specified values)

5 Amino Modified Silicone Fluids

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)

6 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)

7 Dimethyl Silicone Fluid Blends

Parameter Grade	INCI	Component A Component B	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethicone Gum Content, %	Solvent	Chinese INCI
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)

8 High Polymerization Dimethiconols

Parameter Grade	INCI	Component A Component B	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Dimethiconol Content %	Solvent	Chinese INCI
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)

9 Amino Gum Blends

Parameter Grade	INCI	Component A Component B	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Amino Gum Content %	Solvent	Chinese INCI
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)

10 Silicone Emulsions

Parameter Grade	INCI	Composition %	Appearance	Viscosity 25°C mPa·s	Main Silicone Component	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	3,000	Dimethicone gum	KF-96A-200cs	60	5.0	Nonionic	●
	Component B : DIMETHICONE	24.0								
	Others	6.75								
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	8.0	Nonionic	●
	Others	10.1								
X-52-2328	Component A : AMINOPROPYL DIMETHICONE	12.0	Milky white emulsion	2,500	Amino modified gum	KF-96A-20cs	60	7.0	Nonionic	●
	Component B : DIMETHICONE	48.0								
	Others	9.5								
KM-116	Component A : DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	15.0-22.5	Milky white emulsion	10,000	Silicone cross-polymer	KF-96A-6cs	75	7.0	Nonionic	●
	Component B : DIMETHICONE	52.5-60.0								
	Others	7.2								

(Not specified values)

11 Polyether Modified Silicone Fluids

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)

12 Polyglycerin Modified Silicone Fluids

Parameter Grade	INCI	Viscosity 25°C mPa·s	Specific Gravity 25°C	Refractive Index 25°C	Estimated HLB	Chinese INCI
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	●
KF-6115	LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	1,000	0.945	1.431	Low	●
KF-6180	ISOSTEARYL POLYGLYCERYL-3 DIMETHICONE	8,000	0.950	1.443	Low	

(Not specified values)

13 Silicone Gels

Parameter Grade	INCI	Component A Component B	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked Polymer %	Chinese INCI
KSG-15	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless, transparent paste	420	1.397	KF-995	4-10	●
	CYCLOPENTASILOXANE							
KSG-1510	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless, translucent paste	420	1.389	TMF-1.5	5-10	●
	METHYL TRIMETHICONE							
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							
KSG-1610	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER		Colorless, translucent paste	380	1.389	TMF-1.5	15-20	●
	METHYL TRIMETHICONE							
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-45	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER		Colorless, translucent paste	330	1.430	COCO-CAPRYLATE/ CAPRATE	30-40	●
	COCO-CAPRYLATE/CAPRATE							
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, hazy 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							
KSG-270	DIMETHICONE/PEG-10/15 CROSSPOLYMER		Colorless, milky white paste	350	1.483	KF-56A	15-25	●
	DIPHENYLSILOXY PHENYL TRIMETHICONE							

(Not specified values)

Silicone Gels

Parameter Grade	INCI	Component A Component B	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Base Oil	Cross-linked Polymer %	Chinese INCI
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-790	DIMETHICONE/POLYGLYCERIN-3 CROSSPOLYMER		Colorless, milky white paste	360	1.413	KF-4418	25-35	●
	CAPRYLYL METHICONE							
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							

(Not specified values)

14 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-549	ACRYLATES/DIMETHICONE COPOLYMER		500-5,000	40	TMF-1.5	●
	METHYL TRIMETHICONE					
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)

15 Trimethylsiloxysilicates

Parameter Grade	INCI	Component A Component B	Viscosity 25°C mm ² /s	Specific Gravity 25°C	Refractive Index 25°C	Resin Content %	Solvent	Film Hardness	Chinese INCI
X-21-5250	TRIMETHYLSILOXYSILICATE	CYCLOPENTASILOXANE	60	1.034	1.404	50	KF-995	Soft	●
	CYCLOPENTASILOXANE								
X-21-5616	TRIMETHYLSILOXYSILICATE	ISODODECANE	10	0.916	1.412	60	ISODODECANE	Soft	●
	ISODODECANE								
X-21-5249	TRIMETHYLSILOXYSILICATE	CYCLOPENTASILOXANE	60	1.036	1.404	50	KF-995	Medium	●
	CYCLOPENTASILOXANE								
KF-7312J	TRIMETHYLSILOXYSILICATE	CYCLOPENTASILOXANE	120	1.050	1.405	50	KF-995	Hard	●
	CYCLOPENTASILOXANE								
KF-7312K	TRIMETHYLSILOXYSILICATE	DIMETHICONE	5,000	1.070	1.410	60	KF-96A-6cs	Hard	●
	DIMETHICONE								
KF-7312L	TRIMETHYLSILOXYSILICATE	DIMETHICONE	120	1.000	1.401	50	KF-96L-2cs	Hard	●
	DIMETHICONE								
KF-7312T	TRIMETHYLSILOXYSILICATE	METHYL TRIMETHICONE	50	1.009	1.401	60	TMF-1.5	Hard	●
	METHYL TRIMETHICONE								
X-21-5595	TRIMETHYLSILOXYSILICATE	ISODODECANE	30	0.967	1.416	60	ISODODECANE	Hard	●
	ISODODECANE								
KF-9021	TRIMETHYLSILOXYSILICATE	CYCLOPENTASILOXANE	2,000	1.070	1.406	50	KF-995	Very hard	●
	CYCLOPENTASILOXANE								
KF-9021-ID	TRIMETHYLSILOXYSILICATE	ISODODECANE	20	0.922	1.419	50	ISODODECANE	Very hard	●
	ISODODECANE								

(Not specified values)

16 Silicone Film Formers

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

(Not specified values)

17 Silicone Powders

Parameter Grade	INCI	Appearance	Modified Type	True Specific Gravity	Average Particle Size μm	Hardness Durometer A	Chinese INCI
KMP-590	POLYMETHYLSILSESQUIOXANE	White, spherical powder	—	1.32	2	—	●
KMP-591	POLYMETHYLSILSESQUIOXANE	White, spherical powder	—	1.32	5	—	●
KMP-592	METHYL/PHENYL POLYSILSESQUIOXANE	White, spherical powder	Phenyl	1.32	2	—	
KMP-598	DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	White, spherical powder	—	0.97	13	30	●
KSP-100	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	—	1.00	5	30	●
KSP-101	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	—	0.98	12	30	●
KSP-102	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	—	0.98	30	30	●
KSP-105	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	—	0.99	2	75	●
KSP-300	DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	Phenyl	1.11	5	40	●
KSP-411	POLYSILICONE-1 CROSSPOLYMER	White, spherical powder	—	0.99	12	22	
KSP-441	POLYSILICONE-22	White, spherical powder	Alkyl	0.92	12	—	

(Not specified values)

18 Silicone Powder (Hydrophilized Type)

Parameter Grade	INCI	Appearance	Modified Type	Surface Treatment	True Specific Gravity	Average Particle Size μm	Rubber Hardness Durometer A	Chinese INCI
KSP-100W	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER	White, spherical powder	—	Hydrophilized	1.00	5	30	●
	PEG-7 GLYCERYL COCOATE							
	POLYQUATERNIUM-7							
	METHYLSILANOL TRI-PEG-8 GLYCERYL COCOATE							

(Not specified values)

19 Silicone Powder Water-Suspensions

Parameter Grade	INCI	Composition %	Modified Type	Average Particle Size μm	Rubber Hardness Durometer A	pH 25°C	Ionic Character	Chinese INCI
KM-440	Component A : VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	60.0	Alkyl	5	—	6.0	Nonionic	●
	Others	2.30	—	—	—			
KM-9729	Component A : DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	50.0	—	2	75	5.0	Nonionic	●
	Others	2.75		—	—			

(Not specified values)

20 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-99-P	METHICONE	20	0.999	1.396	< 5	●
KF-9901	HYDROGEN DIMETHICONE	20	0.971	1.398	< 5	●
KF-9908	TRIETHOXYSIPLYETHYL POLYDIMETHYLSILOXYETHYL DIMETHICONE	60	0.962	1.412	< 5	●
KF-9909	TRIETHOXYSIPLYETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE	45	0.962	1.415	< 5	●
AES-3083	TRIETHOXYCAPRYLYLSILANE	2	0.875	1.417	Boiling point 100°C/2 mmHg	●

(Not specified values)

21 Surface Treated Color Pigments

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

(Not specified values)

22 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							
	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHYL HEXYL DIMETHICONE							

(Not specified values)

Solubility in Various Solvents Dimethyl Silicone Fluid

KF-96 (dimethyl silicone fluid) : Solubility of medium viscosity grades

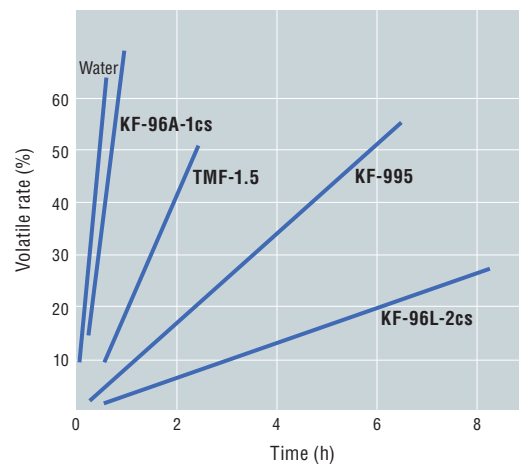
Note that low viscosity grades of KF-96 (5 mm²/s and below) also dissolve in ethanol and other solvents, so check prior to use.

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

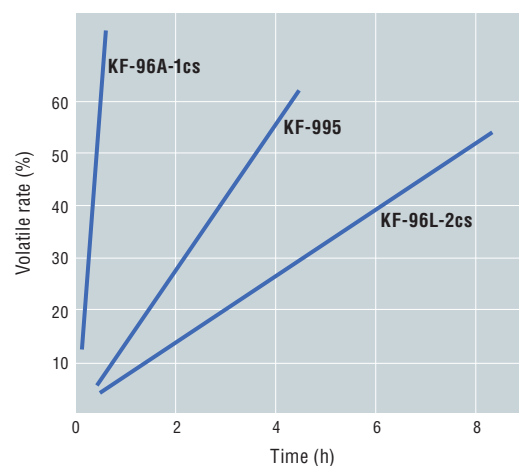
* Purity ca.95%

Volatile Data

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

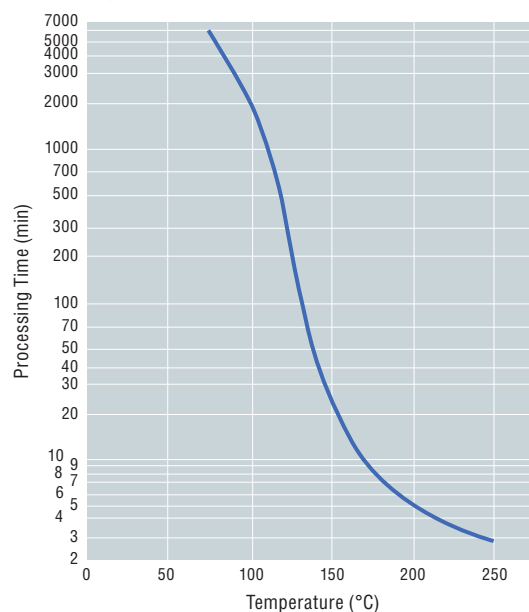


■ Volatility at 37°C (measured by filter paper method)



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

Composition Ratio Silicone Fluid	Silicone Fluid : Cosmetic Ingredient					
	10:1		1:1		1:10	
Cosmetic Ingredient	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 Seed Oil	S	I	P	I	P	I
Petrolatum	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-6104	KF-6105	KF-6106	KF-6115	KF-6180	KP-578
KF-96A-6cs (Dimethicone)	I	I	I	S	S	S	I	I	S	S	S	S	I	S
TMF-1.5 (Methyl Trimethicone)	I	I	S	S	S	S	I	S	S	S	S	S	S	S
KF-995 (Cyclopentasiloxane)	I	I	S	S	S	S	I	S	S	S	S	S	S	S
KF-56A (Diphenylsiloxy Phenyl Trimethicone)	S	S	S	S	S	S	I	S	S	S	S	S	S	S
Mineral Oil	I	I	I	I	I	S	I	S	I	S	I	S	S	I
Isotridecyl Isononanoate	I	S	S	I	I	S	I	S	S	S	S	S	S	S
Triethylhexanoin	S	S	S	S	S	S	S	S	I	S	I	S	S	S
Alcohol*	S	S	S	S	S	I	S	I	I	I	I	I	I	I
Butylene Glycol	S	I	I	I	I	I	S	I	I	I	I	I	I	I
Glycerin	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Water	S	S	I	I	I	I	S	I	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.
- Keep out of reach of children.
- Be sure to read the Safety Data Sheets (SDS) for these products before use.
SDS are available from the Shin-Etsu Silicone website. If the SDS is not listed on the website, please contact the sales department.
SDS download URL: <https://www.shinetsusilicone-global.com/support/sdstds>

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If the SDS is not listed on the website, please contact the sales department.

SDS download URL :

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