

# Shin-Etsu Silicone

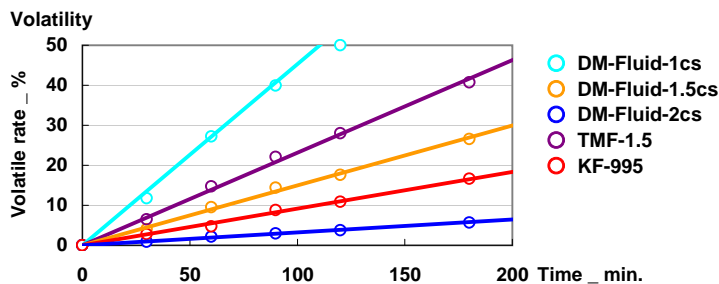
## Silicone Products for Personal Care

### Shin-Etsu Unique Materials

#### Volatile Silicone

DM-FLUID-1.5cs is superior in volatility to KF-995:D5, and has low freezing point.

DM-FLUID-2cs is a volatile silicone that can give light feeling. It has a flash point almost equal to KF-995:D5, and has low freezing point.



Measurement method

1. Sample 1g onto filter paper (90mm Φ) in petri dish.
2. Keep under the condition of 25°C/65%RH.
3. Measure the residue of sample by each time.

Product name	INCI	Appearance	Viscosity 25°C mm <sup>2</sup> /s	Specific Gravity 25°C	Refractive Index 25°C	Melting Point °C	Flash Point °C
DM-FLUID-1.5cs	Dimethicone	Colorless transparent fluid	1.5	0.85	1.388	-86	64
DM-FLUID-2cs	Dimethicone	Colorless transparent fluid	2	0.87	1.391	< -60	75

#### Applications

We offer various products made using [DM-FLUID-2cs](#) as base oil.

Not specified values

#### Emulsifier

Product name	INCI	Appearance	Viscosity 25°C mm <sup>2</sup> /s	Specific Gravity 25°C	Refractive Index 25°C	Active %	HLB
KF-6050L	PEG/PPG-18/18 Dimethicone, Dimethicone	White - light gray fluid	2000	0.94	1.411	40	1.7

#### Silicone Cross-linked polymer

Not specified values

Product name	INCI	Appearance	Penetration (worked) 25°C	Refractive Index 25°C	Active %	Type
KSG-048Z	Lauryl Polydimethylsiloxylethyl Dimethicone/Bis-Vinyl Dimethicone Crosspolymer, Dimethicone	Colorless milky white paste	370	1.397	19 - 25	Elastmer Gel
KSG-380Z	PEG-15/Laulyl Polydimethylsiloxylethyl Dimethicone Crosspolymer, Dimethicone	Colorless milky white paste	380	1.400	23 - 29	Elastmer Gel Emulsifier

#### Silicone Acrylate

Not specified values

Product name	INCI	Appearance	Viscosity 25°C mm <sup>2</sup> /s	Specific Gravity 25°C	Refractive Index 25°C	Active %
KP-545L	Acrylates/Dimethicone Copolymer, Dimethicone	Colorless transparent-light yellow hazy fluid	800 - 8000	0.92	1.400	40

#### Trimethylsiloxysilicate

Not specified values

Product name	INCI	Appearance	Viscosity 25°C mm <sup>2</sup> /s	Specific Gravity 25°C	Refractive Index 25°C	Active %	Film Hardness
KF-9021L	Trimethylsiloxysilicate, Dimethicone	Colorless transparent fluid	180	1.02	1.402	50	Very Hard
KF-7312L	Trimethylsiloxysilicate, Dimethicone	Colorless transparent fluid	25	1.00	1.401	50	Hard
X-21-5249L	Trimethylsiloxysilicate, Dimethicone	Colorless transparent fluid	15	0.98	1.400	50	Medium
X-21-5250L	Trimethylsiloxysilicate, Dimethicone	Colorless transparent fluid	10	0.97	1.399	50	Soft

#### Dimethyl Silicone Blend

Not specified values

Product name	INCI	Appearance	Viscosity 25°C mm <sup>2</sup> /s	Specific Gravity 25°C	Refractive Index 25°C	Dimethicone Gum Content %
KF-9028L	Dimethicone Dimethicone	20 80 Colorless transparent fluid	1000	0.89	1.392	20

Not specified values

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