



## SF1202 silicone fluid

### Description

SF1173 and SF1202 silicone fluids are mainly single component of volatile cyclic dimethyl siloxanes where SF1173 is primarily cyclotetrasiloxane, and SF1202 is primarily cyclopentasiloxane. SF1204, SF1256 and SF1258 silicone fluids are mixtures of cyclic dimethyl siloxanes where SF1204 is ~15% cyclopentasiloxane and ~85% cyclotetrasiloxane. SF1256 is ~25% cyclohexasiloxane and ~75% cyclopentasiloxane; SF1258 is ~35% cyclohexasiloxane and ~65% cyclopentasiloxane.

### Key Features and Benefits

- Volatility
- Spreadability
- Lubricity
- Compatible with many organic materials, solvents
- Low surface tension and viscosity
- No oily residue
- Improves efficacy of antiperspirants
- Dry non-greasy feel
- Improves wet combing
- Greater flexibility in formulating cosmetic products
- Rapid and complete coating during particle treatment

### Typical Physical Properties

Property	SF1173	SF1202	SF1204	SF1256	SF1258
Viscosity 25°C (77°F), cSt	2.4	4.1	2.5	4.5	5.0
Boiling Point, °C	175.8	210	175.8	212	216
Boiling Point, °F	348	410	348	~414	~421
Flash Point, (closed cup) °C	~57	~76	62	82	83
Flash Point, (closed cup) °F	135	170	143.6	~180	~181
Refractive Index 25°C (77°F)	1.3940	1.3960	1.3945	1.397	1.3973
Specific Gravity @ 25/25°C (77/77°F)	0.95	0.95	0.95	0.96	0.96
Freezing Point, °C	17.5	-40	11	< -40	< -40
Freezing Point, °F	64	-40	~52	< -40	< -40

## Potential Applications

- Antiperspirants
- Skin Care Products
- Sunscreen Products
- Hair Conditioners
- Facial Make-Up
- Particle Treatment

## Patent Status

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