

SF1204 silicone fluid

Description

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

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

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Contact Information

For product prices, availability, or order placement, contact our customer service at [Momentive.com/Customerservice/](https://www.momentive.com/Customerservice/)

For literature and technical assistance, visit our website at: www.momentive.com

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