

# Swansil Silicone Fluids

Polydimethylsiloxane fluids in a range of viscosities for many industrial applications

## Applications

- Heat transfer fluid.
- Damping fluid.
- Barrier fluid.
- Hydraulic fluid.
- Transformer fluid.
- Diffusion pump fluid.
- Lubricant & release agent.
- Water repellent.
- Foam control agent.

## Features

- Clear, colourless liquid.
- Chemically inert.
- High thermal stability.
- Non-hazardous – no known toxic effects.
- Tasteless and odourless – non-tainting.

## Other information

Shelf life is two years in original unopened containers, protected from environmental damage, stored between 5°C and 30°C.

## Typical properties

Parameter	Kinematic Viscosity		Specific Heat Capacity	Break-down Voltage	Density at 25°C	Refractive Index at 25°C	Setting Point (max)	Flash point (min.)
Method	@ 25°C	@ 100°C	n/a	DIN 53 481	DIN 51 757	DIN 51 423/2	n/a	DIN ISO 2592
Units	cSt	cSt	J/(kg·K)	kV	g/cm <sup>3</sup>	n/a	°C	°C
<b>Product grade</b>								
0.65 cSt	0.65 ±10%	-	2900	-	0,76 ±02	1,375 ±0,001	-67	-4
5 cSt	5 ±10%	2	1600	30	0,93 ±02	1,399 ±0,001	-60	150
10 cSt	10 ±10%	3	1600	30	0,94 ±0,02	1,398 ±0,001	-60	150
20 cSt	20 ±10%	7	1600	30	0,95 ±0,02	1,4005 ±0,001	-60	150
50 cSt	50 ±10%	15	1500	30	0,95 ±0,02	1,402 ±0,002	-60	280
100 cSt	100 ±5%	30	1500	30	0,96 ±0,02	1,402 ±0,002	-60	280
200 cSt	200 ±5%	63	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
300 cSt	300 ±5%	90	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
350 cSt	350 ±5%	105	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
500 cSt	500 ±5%	155	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
1,000 cSt	1,000 ±5%	300	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
1,500 cSt	1,500 ±5%	440	1500	30	0,97 ±0,01	1,4035 ±0,002	-50	300
2,000 cSt	2,000 ±5%	610	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
5,000 cSt	5,000 ±5%	1,550	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
10,000 cSt	10,000 ±5%	3,050	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
12,500 cSt	12,500 ±5%	3,600	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
30,000 cSt	30,000 ±5%	8,350	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
35,000 cSt	35,000 ±5%	10,500	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
60,000 cSt	60,000 ±5%	18,200	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
100,000 cSt	100,000 ±5%	30,000	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
150,000 cSt	150,000 ±5%	44,400	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
300,000 cSt	300,000 ±5%	100,000	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
600,000 cSt	600,000 ±5%	150,000	1500	35	0,97 ±0,01	1,4035 ±0,002	-40	320
1,000,000 cSt	1,000,000 ±5%	200,000	1500	35	0,97 ±0,01	1,4035 ±0,002	-25	320

Further technical or sales assistance is available from your SwanTek representative.