

Product Data

Silicone Fluid for Heat Resistance Use YF33 series

YF33 series is a light brown, transparent methyl silicone fluid with excellent thermal stability. The product has the same general properties as TSF451 series but has a far more excellent heat oxidizing stability and can be used regularly at 250°C in the air.

KEY FEATURES

- ◆ Excellent thermal stability in open air heating condition

APPLICATIONS

- ◆ Heat transfer fluid at high temperature condition at open air condition

TYPICAL PROPERTY DATA

PROPERTIES		YF33-100	YF33-1000	YF33-3000	YF33-1M
Appearance		Light brown, transparent			
Specific gravity (25°C)		0.968	0.971	0.973	0.975
Viscosity (25°C) mm ² /s		100	1,000	3,000	10,000
Weight loss (150°C, 24h) %		0.3	0.3	0.3	0.3
Pour point °C		Max -50		Max -40	
VTC*		0.59	0.60	0.60	0.60
Thermal stability	250°C, 1000h	No gelation			
	300°C, 48h	No gelation			

*VTC (Viscosity Temperature Coefficient) = $1 - \text{Viscosity at } 98.9^\circ\text{C} / \text{Viscosity at } 37.8^\circ\text{C}$

Typical property data values should not be used as specifications.

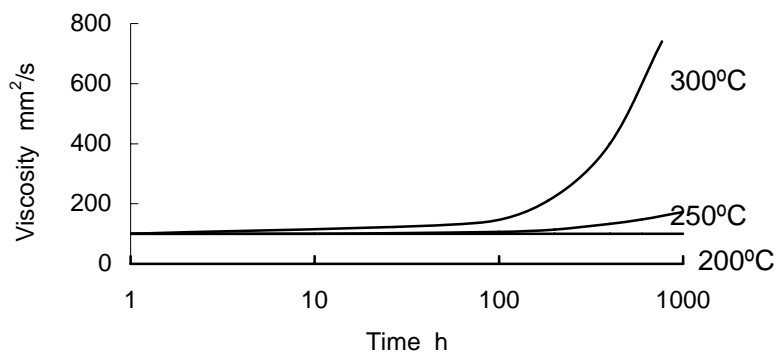
THERMAL STABILITY (in open air)

Test condition

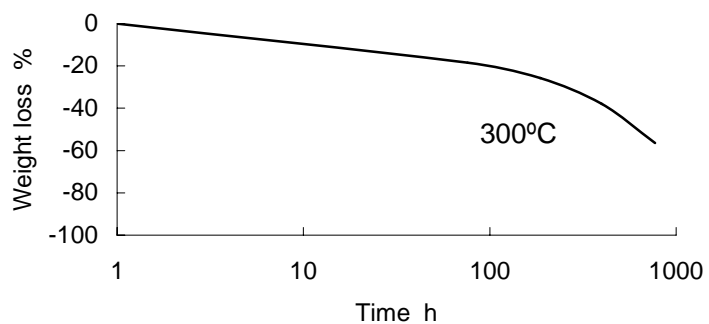
Sample weight: 30g

Sample vessel: 50ml beaker, 42mm in diameter

VISCOSITY CHANGE



WEIGHT LOSS



HANDLING AND SAFETY

- ◆ Wear eye protection and protective gloves as required while handling the product.
- ◆ Use the product in a well ventilated area.

STORAGE

- ◆ Store in a cool, dry place out of direct sunlight.
- ◆ Keep out of the reach of children.

PACKAGING

YF33-100

- ◆ 1kg bottle available in case of 10
- ◆ 15kg can available

YF33-1000

- ◆ 1kg bottle available in case of 10
- ◆ 15kg can available
- ◆ 200kg drum available

YF33-3000

- ◆ 1kg bottle available in case of 10
- ◆ 15kg can available

YF33-1M

- ◆ 1kg bottle available in case of 10
- ◆ 15kg pail available

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