Technical Data Sheet

www.silfluosilicone.com

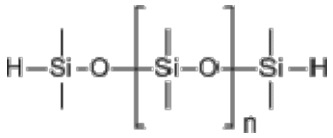
Terminal-H Silicone Oil LF-H101T

Description:

Hydrogen terminated silicone fluid is containing silicon-hydrogen bonds on the end groups, also called Poly(dimethylsiloxane) hydride terminated, Polysiloxanes di-Me hydrogen-terminated; Di-Me-Siloxanes and Silicones hydrogen-terminated and its molecular formula is: H(CH3)2SiO[(CH3)2SiO]mSi(CH3)2H.

End-hydrogenated silicone oil is a methyl silicone oil with a silicon-hydrogen bond on the end group. Because of the SI-H bond, it can react with other chemical substances containing double bonds, hydroxyl groups and other active groups under the action of a catalyst. This product has the characteristics of reactivity and weather resistance.

Chemical Structure:



Typical Technical Properties:

Item	LF-H101T
Appearance	Colorless transparent liquid
CAS NO.:	70900-21-9
Viscosity (25°C, mpa.s)	5-400
Hydrogen Content, wt%	0.01 ~ 0.80 (can be customized)
Density (25°C):	0.98-1.02
Volatiles(%):	≤5
PH Value	6-7

Various viscosity and hydrogen can be customized.

Applications:

1. As the basic intermediate raw material of the hydrosilylation reaction, it provides stable support for the reaction.
2. Becomes the key link in the block copolymerization reaction and promotes the smooth progress of the reaction.
3. Plays the role of crosslinking agent and chain extender in addition-type liquid silicone rubber to improve the performance of the material.
4. As the basic raw material of organic polymer modified materials, it is widely used in plastic resins and other fields.

Package &Storage:

In 50kg, 200kg drum and 1000kg IBC.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 12 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.