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Product specification

Description

Polydimethylsiloxane is a transparent, colorless, odorless, non-toxic, oily liquid. It has the characteristics of high flash point, low freezing point, good thermal stability, and high and low temperature resistance. It can be used at -50- + 180°C, such as in isolated air or in inert gas for long-term use temperature up to 200°C. Small surface tension, large compression rate, good shear resistance, small viscosity temperature coefficient, small dielectric loss; electric solitary resistance, corona, nonflammable; water and moisture resistance, and good physiological inertia. In the silicone oil characteristics are the most prominent, the largest dosage, the most widely used.

Application:

It is mainly used in an emulsifier, cosmetics, medical additives, release agent, paint and ink, lubricating oil and other fields.

TDS

TYPE name	KMF-350	KMF-500	KMF-1000
Appearance	Colorless transparent	Colorless transparent	Colorless transparent
shape and properties	Viscous liquid	Viscous liquid	Viscous liquid
solubility	Through the test	Through the test	Through the test
Represent rate (25°C)	1.400 ~ 1.405	1.400 ~ 1.405	1.400 ~ 1.405
Relative density (25°C / 25°C)	0.964 ~ 0.977	0.964 ~ 0.977	0.964 ~ 0.977
Dry quantity reduction (mass fraction)/%	≤0.5	≤0.5	≤0.5

Viscosity (25°C) / cSt	350±20	500±25	1000±50
Lead (Pb)/(mg/kg)	≤1	≤1	≤1

Qualification

How to use

Can be used alone or with good solubility in anhydrous alcohol and in most commonly used solvents.

Use instructions

Silicone oil may cause a short period of eye discomfort.

Special care should be taken to treat the volatile silicone oil at the flash point temperature provided.

Keep away from heat sources, sparks, open fires, and other sources of fire. To keep the container sealed.

At higher temperatures, the organic silicone oil is sensitive to the pollution caused by strong acid, strong alkali, and some metal compounds and oxidants. Oxidant may also cause increased viscosity of silicone oil, and it is recommended to check the flash point of silicone oil regularly to monitor operational safety. In addition, there may be combustible conditions if the silicone oil smokes.

service restrictions

Not been tested and not explicitly stated as applicable to medical or pharmaceutical applications. Not available for human injection.

Within a time limit and storage

When stored unopened at 25°C or less, the shelf life is 12 months from the date of production, depending on the viscosity.

Dimethyl silicone oil should be stored in ventilated and dry warehouses to prevent direct sunlight and to isolate fire sources.

Pay attention to

This information is considered accurate in integrity, however, since the conditions and methods for using this product are not under our control, this information cannot replace the customer to ensure the safe, effective, and full end purpose of our products. The tests conducted, and the recommendations we provide, shall not be considered as reasons for infringing any patent rights. No liability for any indirect or incidental damage.