



Description

REX SG1005 Silicone Fluids are proprietary dimethyl polysiloxanes. Rex SG1005 Silicone Fluids are thermally and chemically stable in a wide range of high and low temperature. It's colourless, odourless, resists to acid/alkaline, chemical inert and non-toxic properties gives multiple applications in various industries. Rex SG1005 Silicone Fluids are suitable lubricants for plastics, rubbers, any of many dissimilar metal combinations, but are not effective for steel-on steel. They will give good lubrication for almost all combinations of metal and plastic.

Application

- Typical used in the cosmetics, chemical specialties, food processing, drug manufacture, textile, electrical, precision machinery, plastic, glass industries.
- For lubricating, anti-foam, water repelling, polishing sealing, damping and mould releasing.

Characteristics and benefits

- ※ Clear transparent fluid, used clean.
- ※ Chemical inert, resist to acid/alkaline.
- ※ Non-corrosive to metal, will not affect most plastics and rubber.
- ※ Stable in a wide range of temperature and chemical inert, effective at temperature -50°C to 150°C in the presence of air or 200°C in an inert atmosphere.

Technical Data 特性

Product 產品	Viscosity 25°C (cst) 黏度 25°C (厘斯)	Appearance 形態
REX SG1005	50	透明 / 低黏性流質

簡介

威斯 REX SG1005 矽油主要成份為二甲基多硅氧烷。威斯 REX SG1005 矽油能於極高、低溫差下仍能保持其穩定狀態，其無色、無味、抗酸鹼、化學惰性、無毒性之特性，均能廣泛應用於各工業中。威斯 REX SG1005 矽油為塑膠、橡膠、多種不同金屬組合之理想潤滑油(鋼與鋼之潤滑除外)，差不多對所有金屬、塑膠潤滑均能提供良好潤滑效果。

用途

- 主要用於化粧品，應用化學、食品製造、藥物製造、紡織、電器、精密機械、塑膠、玻璃等工業。
- 作為潤滑、消泡、防水、拋光、密封、阻尼及脫模。

特性及優點

- ※ 清澈透明液體、使用清潔
- ※ 化學惰性、能抵抗酸鹼
- ※ 不腐蝕金屬、不影響塑膠及橡膠
- ※ 耐高 / 低溫及化學穩定，於空氣環境下溫度 -50°C 至 150°C，或於惰性環境下溫度 200°C 均能發揮作用



Typical Properties 物理特性

Product 產品	SG1005
Specific gravity 比重 25°C (77°F)	0.960
Volatile content 揮發 150°C (302°F) / 24 hours (%)	0.5 max
Pour point 傾點°C (°F)	-50 (-58) max
Flash point 閃點°C (°F)	300 (572) min.
Thermal conductivity 導熱系數 25°C (77°F) W/m°C {cal/(cm 'sec' °C)}	015 (3.7 X 10 ⁴)
Surface tension 表面張力 25°C (77°F) mH/m {dyne/cm}	20.8 {20.8}
Coefficient of expansion 膨脹系數 25-150°C (77-302°F) (cc/cc/°C)	0.00096
Dielectric constant * ² 介電常數 50 Hz	2.72
Dielectric dissipation factor * ² 介電耗損因數 50 Hz	0.0001 max.

This information is intended as a guide and does not necessarily represent a marketing specification. Data may vary within modest ranges but do not adversely affect the lubricant quality. Modifications reserved.