



## SINTONO FCF 40



Date of issue: 28.11.2019

**SINTONO FCF 40** is a special oil based on perfluorinated polyether.

Therefore **SINTONO FCF 40** belongs to the thermically and chemically most stable lubricants. It is used successfully, if operating temperatures and chemical influences exclude the use of conventional lubricants.

### Special properties

- High resistance towards oxidation and high temperatures
- High load carrying capacity
- High resistance to chemicals
- Low pour point
- Non-combustible
- No swelling of plastomers and elastomers
- Compatibility with metals at a wide temperature range

Product Characteristics	Value	Dimension	Norm / Standard
Colour	clear, transparent		
Density at 20°C	1,82	g/cm <sup>3</sup>	DIN 51757
Operating temperature range	-80 to 120	°C	
Oil type	PFPE		
Kinematic viscosity at 40°C	39,7	mm <sup>2</sup> /s	DIN EN ISO 3104
Kinematic viscosity at 100°C	12,5	mm <sup>2</sup> /s	DIN EN ISO 3104
Viscosity index (VI)	325		DIN ISO 2909
Pour point	-88	°C	DIN ISO 3016

### Application

**SINTONO FCF 40** is used as a lubricating and sealing agent, as a dielectric hydraulic and heat transferring liquid, for applications in the precise mechanics and optical industry as well as in the electronic industry.

Before using **SINTONO FCF 40** a very good cleaning of all application points is necessary. Optimum lubricating properties can be only achieved on clean and dry material surfaces.

**SINTONO FCF 40** is only miscible with other liquids which are based on perfluoropolyethers. **SINTONO FCF 40** and **TURMOTEMP M 180 fluid 80-480** have similar chemical bases. Therefore they are miscible in any ratio.

At operating temperatures above 260°C, aggressive decomposition products (e.g. hydrofluoric acid) can form.

### Packaging units

0,5 l bottle, 1 l bottle, 5 l canister, 10 l canister



The products are subject to continuous strict production controls and comply with our own factory specifications. A warranty for each case cannot be given, due to the variety of relevant factors. Therefore, we recommend the implementation of field tests. Herewith, any liability is expressly excluded.

LUBRICANT CONSULT GMBH · Gutenbergstrasse 13 · 63477 Maintal (Germany)  
Tel: +49 (0) 6109 / 7650-0 · Fax: +49 (0) 6109 / 7650-51 · E-Mail: [webmaster@lubcon.com](mailto:webmaster@lubcon.com) · Internet: <http://www.lubcon.com>