



TURMOTEMP II/400 CL 00

G FK 00 U -30



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TURMOTEMP II/400 CL 00 is a gear lubricant based on perfluorinated polyethers. These oils are completely saturated and are showing optimum oxidation and thermal stability.

TURMOTEMP II/400 CL 00 meets the requirements for an H1 registration as lubricant for which an incidental contact with food technically cannot be avoided.

For applications in the medical sector **TURMOTEMP II/400 CL 00** has been tested, concerning the biocompatibility, according to the following standards:
ISO 10993-3, ISO 10993-5, ISO 10993-6 and ISO 10993-10

Special properties

- High resistance to temperature
- High load carrying capacity
- High chemical resistance, non-combustible
- High vacuum grease down to 10^{-6} mbar
- No swelling of elastomers and plasters
- Compatibility with all kind of metals at a wide temperature range

Product Characteristics	Value	Dimension	Norm / Standard
Colour	white		
Density at 20°C	1,92	g/cm ³	DIN 51757
Operating temperature range	-30 to 260	°C	
Thickener	PTFE		
Base oil	PFPE		
Kin. viscosity of the base oil at 40°C	500	mm ² /s	DIN EN ISO 3104
Kin. viscosity of the base oil at 100°C	44	mm ² /s	DIN EN ISO 3104
Worked penetration	400 – 430	mm/10	DIN ISO 2137
Consistency class (NLGI)	00		DIN 51818
Dropping point	> 250	°C	DIN ISO 2176
Resistance to water	0 – 90		DIN 51807
Corrosion protection (SKF-Emcor)	0 / 0		DIN 51802
Four-ball test O.K. load / welded load	7000 / 7500	N	DIN 51350
Resistance to radioactive radiation	5 x 10 ⁶	Gy (=10 ² rd)	

Application

TURMOTEMP II-400 CL 00 offers a wide range of applications in the medical sector, as well as in the nuclear technology and the vacuum technology.

Before application of **TURMOTEMP II/400 CL 00** clean surfaces thoroughly with special detergents as **TURMOTEMPOIL 480**, acetone, isopropyl-alcohol or similar products. The lubricating properties will be only achieved on clean and dry materials.

Packaging units

100 g tubes, 190 g tubes, 800 g cartridges, 1 kg cans



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.

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