



TURMOTEMP M 802

K P F K 2 T -70



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TURMOTEMP M 802 is a white special lubricant based on perfluorinated polyether oils.

TURMOTEMP M 802 is **BAM**-approved for use in fittings and other applications in gaseous oxygen.
BAM is the abbreviation for the German Federal Institute for Materials Research and Testing.

BAM-reference No.: 2-2544/2011 I

Oxygen pressure up to max. 60°C = max. 120 bar

Special properties

- High resistance towards oxidation and high temperatures
- High pressure resistance
- High chemical resistance
- Low evaporation loss
- No swelling of plastomers and elastomers
- Compatibility with all kind of metals at a wide temperature range

Product Characteristics	Value	Dimension	Norm / Standard
Colour	white		
Density at 20°C	1,88	g/cm ³	DIN 51757
Operating temperature range	-70 to 220	°C	
Thickener	PTFE		
Base oil	PFPE		
Kin. viscosity of the base oil at 40°C	80	mm ² /s	DIN EN ISO 3104
Kin. viscosity of the base oil at 100°C	21	mm ² /s	DIN EN ISO 3104
Worked penetration	265 – 295	mm/10	DIN ISO 2137
Consistency class (NLGI)	2		DIN 51818
Resistance to water	0 – 90		DIN 51807
Corrosion protection (SKF-Emcor)	0 / 0		DIN 51802
Speed factor of grease (n x dm)	800 000	mm/min	
Evaporation loss after 24 h / 200°C at the air flow	< 0,5	%	ASTM-D 972
FE9-Tests A/1500/3000-200 F10	> 1000	h	DIN 51821
Four-ball welded load	> 12 000	N	DIN 51350

Application

TURMOTEMP M 802 is used successfully in roller bearings, if operating temperatures and chemical or physical influences exclude the use of conventional lubricants.

TURMOTEMP M 802 is not mixable with other lubricants beside lubricants which are based on PFPE.

Before application of **TURMOTEMP M 802** clean surfaces thoroughly with special detergents as **TURMOTEMPOIL 480**, acetone, isopropanol-alcohol or similar products. Optimum lubricating properties can only be fully achieved on clean, greaseless and dry material surfaces.

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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