



# TURMOTEMP LP 2502

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**TURMOTEMP LP 2502** is a special grease for the lubrication of highly loaded rolling bearings.

**TURMOTEMP LP 2502** is an unique lubricant based on perfluorinated oils (PFPE) and metals soaps. Due to this we were able to combine the positive properties of the chemically and thermally very stable perfluorinated base oils with the excellent properties of the metal soaps. This means under thermal and mechanical load the lubricant flows back to the contact surfaces and reduces wear to a minimum. The preferred service temperature range is > 120°C to +250°C.

## Special properties

- High load carrying capacity
- Excellent corrosion and wear protection
- Miscible with all PFPE/PTFE containing lubricants
- High resistance to temperature
- Good media resistance

Product Characteristics	Value	Dimension	Norm / Standard
Colour	mustard-coloured		
Density at 20°C	1,7	g/cm <sup>3</sup>	DIN 51757
Operating temperature range	-30 to 250	°C	
Thickener	Lithium special soap		
Base oil	PFPE		
Kin. viscosity of the base oil at 40°C	250	mm <sup>2</sup> /s	DIN EN ISO 3104
Kin. viscosity of the base oil at 100°C	26	mm <sup>2</sup> /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)	500 000	mm/min	
FE9-Tests A/1500/3000-220 F10	131	h	DIN 51821
FE9-Tests A/1500/3000-220 F50	206	h	DIN 51821
Four-ball test O.K. load / welded load	5500 / 6000	N	DIN 51350

## Application

Preferred application areas include long-term lubricated spherical roller bearings, cylindrical roller bearings and taper roller bearings at high temperatures. Bearings in corrugating rollers, chain return wheels and return roller bearings subject to high temperatures, load rollers in film stretching machines and textile stenters as well as low speed electric motors.

Before applying **TURMOTEMP LP 2502** all lubricating points should be cleaned carefully. The lubricating properties will be only achieved on clean and dry materials.

Special cleaning agents which must be used for PFPE-lubricants thickened with PTFE, are not required.

## Packaging units

170 g tubes, 700 g cartridges, 1 kg cans, 5 kg bucket, 10 kg bucket, 25 kg hobbock

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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