



# THERMOPLEX ALN 251 EP

G P H C F 1 N-50



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**THERMOPLEX ALN 251 EP** has been especially developed for the gear lubrication. High metal affinity as well as excellent thermal-oxidative stability is proved by the polyurea aluminium special soap. The base oil, a combination of synthetic fluids, with optimum viscosity/temperature behaviour ensures a constantly sufficient lubricating film.

## Special properties

- High resistance towards oxidation and high temperatures
- High load carrying capacity
- Excellent wear protection
- Long grease service life and wide operating temperature
- High lubricating effect at low friction coefficients

Product Characteristics	Value	Dimension	Norm / Standard
Colour	beige		
Density at 20°C	0,90	g/cm <sup>3</sup>	DIN 51757
Operating temperature range	-50 to 140	°C	
Thickener	Polyurea aluminium special soap		
Base oil	SHC / Ester		
Kin. viscosity of the base oil at 40°C	25	mm <sup>2</sup> /s	DIN EN ISO 3104
Kin. viscosity of the base oil at 100°C	5,6	mm <sup>2</sup> /s	DIN EN ISO 3104
Worked penetration	310 – 340	mm/10	DIN ISO 2137
Consistency class (NLGI)	1		DIN 51818
Dropping point	> 180	°C	DIN ISO 2176
Resistance to water	0 – 90		DIN 51807
Corrosion protection ( SKF-Emcor)	0 / 0		DIN 51802

## Application

In gears of electric tools, machine tools, actuating drives, needle bearings and for all applications where structurally viscous lubricants have to stop leakages and to reduce wear.

## Packaging units

25 x 100 g tubes, 20 x 400 g cartridges, 6 x 1 kg cans, 5 kg bucket, 25 kg hobbock, 50 kg hobbock, 180 kg drum

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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