



TURMOGREASE N 503 B

K P H C 3 R -40



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TURMOGREASE N 503 B is a fully synthetic, silicone free special grease offering a multitude of application possibilities in industrial plants and in the automotive industry.

Special properties

- Long time and permanent lubrication in the whole machine building industry
- Stable to aqueous acidic and basic purifying agents
- Stable to cold and hot water as well as water steam
- For operation at high temperatures

Product Characteristics	Value	Dimension	Norm / Standard
Colour	yellowish / beige		
Density at 20°C	0,88	g/cm ³	DIN 51757
Operating temperature range	-40 to 180	°C	
Thickener	Polyurea		
Base oil	SHC / Ester		
Kin. viscosity of the base oil at 40°C	55	mm ² /s	DIN EN ISO 3104
Kin. viscosity of the base oil at 100°C	9	mm ² /s	DIN EN ISO 3104
Worked penetration	220 – 250	mm/10	DIN ISO 2137
Consistency class (NLGI)	3		DIN 51818
Dropping point	> 250	°C	DIN ISO 2176
Resistance to water	1 – 80		DIN 51807
Corrosion protection (SKF-Emcor)	0 / 0		DIN 51802
Speed factor of grease (n x dm)	1 300 000	mm/min	
Oil separation at 40°C/168 h	1,1	%	DIN 51817
FE9-Tests A/1500/6000-180 F10	280	h	DIN 51821
Noise class	II/1		FAG MGG-11
Starting /running torque at -40°C	420 / 57	mNm	ASTM D 1478

Application

Rolling and plain bearings in machine building industry (e.g. mixers), rolling and plain bearings in the automotive industry (wheel bearings, water pump, shifting roads, hinges etc.), rolling and plain bearings in all wet working machines as well as pumps, washing and rinsing machines, spindle bearing lubrication for milling and tool machines.

TURMOGREASE N 503 B possesses excellent compatibility towards elastomers like NBR (168 h / 100°C) and FKM / Viton (168 h / 130°C).

Packaging units

20 x 400 g cartridges, 6 x 1 kg cans, 25 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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