

r.tecc Norplex MLK 2

Lithium Complex EP Grease – NLGI-Grade 2

Description

r.tecc Norplex MLK 2 is a high performance EP-grease based on high quality synthetic oil.

Application and Properties

r.tecc Norplex MLK 2 is designed for lubrication of high pressure and impact loaded anti-friction and roller bearings in a wide range of useful temperatures.

r.tecc Norplex MLK 2 is a low temperature grease on synthetic oil basis covering also the range of application of a high temperature grease.

r.tecc Norplex MLK 2 is specially designed for the lubrication of high-speed spindle bearings.

Advantages:

- low starting resistance at low temperatures
- high thermal load capacity
- worked stability
- oxidation stability
- high pressure load capacity
- good water resistance
- good corrosion protection

Technical Data

Thickener		Lithium-Complex-Soap
Operating temperature for long-term lubrication		-50 to +150°C
Short time admissible temperature peak value		+200°C
Permanent temperatures above 150°C require re-greasing at shorter intervals subject to thermal load		
Drop point	ASTM D 2265	> 270°C
Worked penetration after 60 strokes	ASTM D 217	265 to 295 1/10 mm
Type of base oil		Synthetic
Base oil viscosity at 40° C	ASTM D 445	30 mm²/s
Water resistance	DIN 51 807 T1	1 – 90
SKF Emcor Test	IP 220/85	Corrosion degree 0/0
Copper Strip Test	ASTM D 4048	Corrosion degree 1 - 150
FAG-FE9 - Test	DIN 51821-02-A/ 1500/6000-150	F ₅₀ > 120 h
FAG-FE8 - Test, 536050TVP angular ball bearing	E DIN 51 819-02- 6000/5-RT	m _w = 19 / 20 mg
FAG-R6 - Test Friction Moment Measurement Fa = 179 N, Fr = 23 N, 7500 min ⁻¹	FAG - Method	M _{H1} = 9 Ncm M _B = 1 Ncm Grease loss ≅ 9 mg L _B ≅ 10 h
FAG-WS22 Spindle bearing Test	FAG - Method	F ₅₀ > 9000 h
Designation	DIN 51 502	KPHC 2 P-50

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

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Rhenus is certified according to ISO/TS 16949, DIN EN ISO 9001, DIN EN ISO 14001 and OHSAS 18001.