

r.tecc Norplex LKP 3

Lithium Complex EP Grease – NLGI-Grade 3

Description

r.tecc Norplex LKP 3 is a high performance EP-grease based on high quality mineral oil.

Application and Properties

r.tecc Norplex LKP 3 suits for lubrication of roller and friction bearings under extreme pressure load at high temperatures.

r.tecc Norplex LKP 3 offers a high mechanical stability, good sealing up properties against dust and water. Therefore it suits in most cases for life time lubrication and for the lubrication of oscillating bearings.

Advantages:

- high thermal resistance
- extremely resistant to oxidation
- water resistant
- high stability
- corrosion resistant
- high pressure load capacity
- good adhesiveness

Technical Data

Thickener		Li-Complex-Soap
Operating temperature for long-term lubrication		-20 to +150°C
Short time admissible temperature peak value		+200°C
Permanent temperatures above 150°C require regreasing at shorter intervals subject to thermal load		
Drop point	ASTM D 2265	> 260°C
Worked penetration after 60 strokes	ASTM D 217	220 to 250 1/10 mm
Penetration loss after 100 000 strokes	ASTM D 217	< 30 1/10 mm
Type of base oil		Mineral oil
Base oil viscosity at 40°C	ASTM D 445	115 mm ² /s
Water resistance	DIN 51 807-01	1 – 90
SKF Emscor 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 > 100 h
Timken Test, well load	ASTM D 2509	50 lbs (222,5 N)
Designation	DIN 51 502	KP 3 P-20

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.