

Rhenus Nortemp PHS 2

Polyurea EP Grease – NLGI-Grade 2-3

Description

Rhenus Nortemp PHS 2 is a high performance EP-grease based on high quality synthetic oil.

Application and Properties

Rhenus Nortemp PHS 2 suits for lubrication of roller and friction bearings under extreme pressure load at very high temperatures.
Rhenus Nortemp PHS 2 suits in most cases for life time lubrication and for the lubrication of oscillating bearings.

Advantages:

- § pumpable in central lubricating systems
- § very high thermal resistance
- § extremely resistant to oxidation
- § water resistant
- § high stability
- § corrosion resistant
- § high pressure load capacity
- § good adhesiveness

Technical Data

Thickener		Polyurea
Operating temperature for long-term lubrication		-40 to +190°C
Short time admissible temperature peak value		+230°C
Permanent temperatures above 190°C require regreasing at shorter intervals subject to thermal load		
Drop point	ASTM D 2265	> 300°C
Worked penetration after 60 strokes	ASTM D 217	240 to 265 1/10 mm
Penetration loss after 100 000 strokes	ASTM D 217	< 30 1/10 mm
Flow pressure	DIN 51 805	-40°C / < 1400 mbar
Type of base oil		Synthetic oil
Base oil viscosity at 40° C	ASTM D 445	460 mm ² /s
Water resistance	DIN 51 807-01	0 – 90
SKF Emcot Test	IP 220/85	Corrosion degree 0/0
FAG-FE9 - Test	DIN 51821-02-A/1500/6000-180	F ₅₀ = 265 h
FAG-FE9 - Test	DIN 51821-02-A/1500/6000-190	F ₅₀ > 100 h
FAG-FE8 - Test, 536050TVP angular roller bearing	E DIN 51819-02-7,5/80-150	m _w = 8 / 9 mg
4 ball Test, welding load	DIN 51 350	3200 N
Designation	DIN 51 502	KPHC 2-3 S-40

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

Edition

04 / 07 ssl

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