

RENOLIT HI-TEMP 100

Synthetic special EP grease

Description

RENOLIT HI-TEMP 100 is a fully synthetic, special lubricating grease with lithium complex soap.

RENOLIT HI-TEMP 100 has a low friction coefficient to reduce starting and running torque, and to improve its efficiency.

RENOLIT HI-TEMP 100 has excellent anti-corrosion properties even under adverse environmental factors (moist, aggressive atmosphere and water).

RENOLIT HI-TEMP 100 is very aging resistant, work stable, water resistant, and resists high thermal loads.

Application

RENOLIT HI-TEMP 100 is used in a wide temperature range for lubrication of plain and roller bearings of, e.g., electric motors, traction motors, bearings and cardan shafts in polar regions.

Advantages

- Temperature range -50 °C to +140 °C
- At constant lubrication applicable until +200 °C
- Good aging resistance
- Excellent corrosion protection
- Good anti-wear properties
- Low friction coefficient

Shelf Life

The minimum shelf life is 36 months if the product is properly stored between 0°C and 40°C in its unopened original container in a dry place. The indication of a minimum shelf life does not include any guarantee of durability.

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Characteristics

Properties	Unit	Data	Test method
Classification	-	KPHC 2 N-50 ISO-L-X-EDFB 2	DIN 51 502 ISO 6743-9
Colour	-	Ivory	-
Thickener	-	Lithium complex soap	-
Dropping point	°C	≥ 240	IP 396
Worked penetration (Pw 60)	0.1 mm	265 - 295	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection properties (SKF-Emcor-Test with dist. Water)	Degree of corr.	0 – 0	DIN 51 802
Water resistance	Eval.-stage	1 – 90	DIN 51 807-1
Four-ball welding load	N	2600	DIN 51 350-4
Flow pressure -40°C	hPa	≤ 800	DIN 51 805-2
Oil separation at 18h / 40°C	%	≤ 2	DIN 51 817
Base oil viscosity at 40°C at 100°C	mm²/s	100 15	FLV-V-28*
Temperature range	°C	-50 up to +140	DIN 51 825

* FLV = FUCHS laboratory test method