

QAIS ALRAWI & SONS COMPANY



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.

Typical Characteristics

Properties	Units	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	mm ² /s	100 15	FLV-V-28*
Temperature range	°C	-50 up to +140	DIN 51 825

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.

* FLV = FUCHS laboratory test method