

RENOLIT LST 00

Description

RENOLIT LST 00 is a synthetic gear box grease based on lithium soap and polyglycol containing antioxidants and metal deactivator additives.

Due to its special base oils, RENOLIT LST 00 is not compatible with conventional lubricating greases.

Application

RENOLIT LST 00 is used for lubrication of gear units over a wide temperature range.

The base oil's low friction coefficient causes an increase of the gear's efficiency compared to mineral oil and leads thus to a reduction of frictional heat and, consequently, of the operational costs.

RENOLIT LST 00 is particularly suitable for lubrication of gears in actuators located in areas which are susceptible to explosion.

Advantages

- Synthetic, semi-fluid gear unit grease
- Low friction coefficient
- Excellent aging protection
- Good low temperature behaviour
- Good compatibility with non-ferrous metals

Specifications/Approvals

- Auma Riester

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	-	G PG 00 N-30	DIN 51 502
Colour	-	Yellow	-
Thickener	-	Lithium soap	-
Dropping point	°C	≥ 180	IP 396
Worked penetration (Pw 60)	0.1 mm	400 - 430	DIN ISO 2137
NLGI-grade	-	00	DIN 51 818
FZG A/2, 8/50	Failure load stage	12	DIN ISO 14635-3
Base oil viscosity at +40°C at +100°C	mm ² /s	145 22	FLV-V-28*
Temperature range	°C	-30 up to +140	DIN 51 826

* FLV = FUCHS laboratory test method