

QAIS ALRAWI & SONS COMPANY



RENOLIT PU-FH 300

High temperature grease containing a polyurea-based thickener.

Description

RENOLIT PU-FH 300 is a polyurea grease with excellent EP and anti-wear properties based on a high viscosity mineral base oil. The combination of the special base oil, a high-quality, extremely shear stable polyurea thickener and a carefully selected additive package ensures good long-life characteristics. RENOLIT PU-FH 300 provides very good water resistance and corrosion protection properties also at unfavourable environmental conditions such as aggressive atmospheres and salt water over a wide usable temperature range.

Application

RENOLIT PU-FH 300 is recommended for the lubrication of all high-temperature plain and roller bearings in industrial applications such as hot-air blowers, tumble dryers, black - rubber

mixers, paper industry dryers, electric motors and hot air flaps. RENOLIT PU-FH 300 is also suitable for the use in centralised lubrication systems.

Advantages

- High-temperature grease
- Resistant against acidic and caustic solutions
- Very good corrosion protection
- Resistant to aging
- Good EP properties

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.

Typical Characteristics

Properties	Units	Data	Test Method
Classification	-	KP 2 R-20	DIN 51 502
Colour	-	Light brown	-
Thickener	-	Polyurea	-
Dropping Point	°C	≥ 230	IP 396
Penetration worked (Pw 60)	0,1 mm	265 - 295	DIN ISO 2137
NLGI-grade	-	2	DIN 51 818
Corrosion protection (Emcor-test)	degree of corr.	0 - 0	DIN 51 802
Copper corrosion	degree of corr.	1 - 100	DIN 51 811
Water resistance	eval.-stage	1 - 90	DIN 51807-1
Flow pressure at +20°C at -20°C	hPa	≤ 100 ≤ 1400	DIN 51 805-2
Oil separation at 18h / 40°C at 7d / 40°C	%	≤ 1 ≤ 2	DIN 51 817
Four ball test, welding load	N	2800	DIN 51 350-4
Timken test	lbs	40	ASTM D 2509
Base oil viscosity at 40°C at 100°C	mm²/s	500 32,5	DIN 51 562-1
Temperature range Short time	°C	-20 up to +180 +200	DIN 51 825