



Texol Grease™ 3050/100 Series

Technical Data Sheet

Texol Grease™ 3050/100 Series
Fully synthetic bearing grease with TFAS®

Product Description

Texol Grease 3050/100 series with TFAS® was designed for normal service and can be used as multipurpose grease, especially for fast moving bearings. TFAS® is an additive package designed to reduce friction while providing surface protection and improvement.

Texol Grease 3050/100 greases are special lubricating greases on a synthetic hydrocarbon base. They also contain special metal complex soap and the TFAS® additive package provides protection in the boundary friction regime, thus preventing tribo-corrosion. Texol Grease 3050/100 greases have the capacity to absorb high pressures, and they have good anti-corrosion properties.

Texol Grease 3050/100 series are especially used for the lubrication of mechanically and thermally extreme-loaded roller and sliding bearings, wheel hubs and release bearings of couplings. It complies to the requirement TL 9150-0075/2 of the German Army and is specification according to the NATO-Code G 421. Due to its content of synthesis oil Texol Grease 3050/100 series offers longer service lives compared to mineral oil based greases. Thus, the additional lubrication intervals can be prolonged which in consequence reduces the consumption of Grease.

Applications and Uses

Texol Grease 3050/100 greases are particularly suitable for medium to fast-speed Rolling bearings, and for swivel movements and vibrations.

They can be used in friction points subject to micro-sliding movements, especially in serrated teeth elements, spline shafts, sliding components and plain bearings. They are also generally suitable for all machine elements potentially subject to tribo-corrosion.

Advantages

- Excellent thermal stability
- Optimum wear protection
- Low coefficients of friction, low temperature rise in the bearing
- Extreme structural stability
- Excellent sealing from hazardous environments including dust, water and water vapor
- Long-term stability



The statements made in this publication are according to our present knowledge. They do not absolve the user from own examinations. A legally binding assurance of certain properties or suitability for a specific use can no be derived from our statements. Possibly existing laws and regulations concerning the handling and use of our products have to be observed by the receiver of our products himself.



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- High corrosion protection
- Protection against tribo-corrosion
- Good pressure absorption capacity
- Good pumpability
- Free from solid particles

Characteristics

Property (Unit)	000	00	0	1	2	Method
NLGI grade	000	00	0	1	2	DIN 51818
Base oil viscosity at 40°C	130	130	130	130	130	DIN 51366
Base oil viscosity at 100°C	50	50	50	50	50	DIN 51366
Thickener	metal complex					-
Colour	yellow					-
Flash point °C	>230					ISO 2592
Dropping point °C	>180					ISO 2176
Behavior in the presence of water, 90 °C	0					DIN 51807/1
Oxidation stability, after 100h, hPa	<250					DIN 51808
Oxidation stability, after 300h, hPa	<400					DIN 51808
Emcor test, IP 220/67, Rating	0/0					DIN 51802
Copper corrosion, 100°C, after 24 h	1					DIN 51811
Rust Prevention properties, Rating	1					ASTM D 1743
Four ball weld point, N	7000 / 8200					DIN 51 562
Four ball test scar diameter, mm	0.60					ASTM D 2266
Four ball wear test scar diameter, mm	<0.7					DIN 51350-05-E
SRV test, 50°C, 300N, 2h Amplitude 1000µm, µ	0.07-0.08					DIN E 51834-02-S
FAG-FE 9 Test	Passed					DIN 51821-02-A
Flow pressure at -20°C, hPa	645					DIN 51805
Pour Point, °C	< -55	< -54	< -52	< -50	< -50	DIN ISO 3016
Operating temperature range, °C	-60 / + 180					-