TEXOL
Chemical

Technical Data Sheet

Texol Grease™ PU Series

Ultra high performance fully synthetic Polyurea grease

Product Description

Texol Grease PU are ultra high performance poly alpha olefin based Greases. It is combined with an advanced polyurea thickener, designed to provide low volatility performance and oxidation resistance over an extended service life, at temperatures of up to +200°C and intermittently up to +230°C.

Texol Grease PU series provides outstanding pumpability in centralised systems, resisting the formation of hard deposits when exposed to radiated heat at temperatures of up to +280°C. It is also highly resistant to softening at elevated temperatures, providing optimum wear and corrosion wear and corrosion protection with excellent sealing performance.

Applications and Uses

- Recommended for a wide range of industrial applications where continuous temperatures of up to +200°C are present, or where intermittent temperatures of up to +230°C are possible. Will not harden when exposed to radiated heat of up to +280°C in centralised lubrication systems.

- Recommended for use in high temperature applications where bearings are subjected to extreme temperatures, such as in annealing and drying furnaces, rotary kilns, cooling beds, conveyor systems, hot air fans, electric motors, exhaust gas fans for aggressive media, stop valves in bulk material equipment, ejector pins in plastic-cast tools, gate valves in bulk material container systems.

Advantages

- High temperature stability maximises grease service life, reducing maintenance downtime
- Excellent pumpability and resistance to hardening at radiated temperatures of up to +280°C
- Highly resistant to thermal oxidation, protects against wear and corrosion, increasing uptime
- Will not soften at elevated temperatures, sealing against water and other contamination

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Characteristics

Property (Unit)	000	00	1	2	3	Method
NLGI grade	00	0	1	2	3	DIN 51818
Base oil viscosity at 40°C	200	200	220	220	240	DIN 51366
Thickener			polyurea			-
Colour			beige			-
Dropping point °C			>280			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			4000 / 4200			DIN 51 562
Four ball test scar diameter, mm			0.45			ASTM D 2266
Four ball wear test scar diameter, mm			<0.6			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	< -62	< -60	< -60	< -60	<-55	DIN ISO 3016
Operating temperature range, °C			-60 / + 200			-

Manufacturers approvals

- Jenbacher

Technical Expertise

Texol experts on **Texol Grease™ PU** lubricants are regionally located to respond to your needs.Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.