

## Technical Data Sheet

### Texol Gearsyn™ PG-A Series

Ultra high performance synthetic gear lubricants

#### Product Description

Texol Gearsyn™ PG-A is a line of ultra high performance polyalkylene glycol base synthetic gear lubricants designed to provide high-level EP wear protection to gears and bearings operating under the most severe load conditions.

#### Applications and Uses

- Texol Gearsyn™ PG-A lubricants can be used in lubricated for life applications
- Texol Gearsyn™ PG-A offers excellent system protection to gears and bearings operating under severe conditions at both very low and elevated temperatures.
- Texol Gearsyn™ PG-A is recommended for use with helical, bevel helical, planetary and worm gears, chains and conveyors, sliding and roller bearings in high load/EP applications.

#### Advantages

- Reduces operating temperatures
- Excellent EP wear and micropitting protection under severe conditions extends equipment service life
- Extreme temperature thermal stability increases oil life, saving time and expense
- Oxidation resistance prevents sludge and deposit formation, increasing uptime and productivity
- Low temperature fluidity improves cold start performance and energy efficiency
- Reliable corrosion and rust protection improves component reliability, reducing maintenance time and costs
- Shear stability and foam suppression optimises lubrication performance
- Comprehensive range of applications reduces inventories and saves Money

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## Chemical

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### Typical Properties

Property (Unit)	PGA 68	PGA 100	PGA 150	PGA 220	PGA 320	PGA 460	PGA 680	Method
Density at +15 °C	1002	1010	1018	1020	1028	1029	1025	DIN 51757
Viscosity @40°C, cSt	68	100	150	220	320	460	680	DIN 51550
Viscosity @100°C, cSt	15	21	25	41.8	61.6	85.3	126.7	DIN 51550
ISO Viscosity Grade	68	100	150	220	320	460	680	DIN 51519
Viscosity Index	205	205	208	211	216	224	235	DIN ISO 2909
Flash Point, °C	281	284	284	282	284	284	296	DIN ISO 2592
Pour Point, °C	-44	-42	-42	-42	-36	-33	-33	DIN ISO 3016
Four ball weld load, N	1600	1600	1600	1600	1700	1800	1800	DIN 51350-02
Four ball wear test, mm					0.28			DIN 51350-03
FZG test ( A/8.3/90 )					>12			DIN 51354

### Notes for Use

- The product is not miscible with mineral oils and should not be mixed with other polyglycol-based lubricants in order to preserve the premium properties of Gearsyn™ PG-A.
- Mixing Gearsyn™ PG and Gearsyn™ PG-A could result in a change in appearance. Please note that possible haziness has no influence on the performance of Gearsyn™ PG-A.