

Technical Data Sheet

Texol Gearsyn™ FG-M Series

Advanced performance extreme pressure food machinery gear lubricants

Product Description

Texol Gearsyn™ FG-M series are range of Premium industrial EP food machinery gear lubricants provide very high wear protection and exceptional load-carrying capacity as well as protection against shock loads and micro-pitting. Texol Gearsyn™ FG-M industrial gear lubricants are designed to protect a wide variety of heavy-duty gear systems and bearings.

Customer benefits

- Protection against gear wear, micro-pitting and bearing wear, increasing system life
- Reliable thermal and oxidation stability extends oil life, improving uptime and productivity
- Reduced deposit and sludge formation ensure cleaner systems, reducing service downtime
- Effective corrosion prevention increases component reliability, cutting unscheduled maintenance time
- Rapid water separation optimises lubrication performance and rust prevention, reducing costs
- Good foam suppression, even when contaminated with water, ensures trouble-free operation
- Wide range of industrial, marine and mobile applications reduces inventories, saving time and Money
- They were formulated to meet the stringent requirements for USDA-H1 lubricants and are designed for use in the food and beverage industry where incidental contact with food is possible.

Applications and Uses

- GEARSYN™ technology
- Odorless and tasteless
- High load carrying capacity
- Excellent wear, oxidation and corrosion protection
- Neutral to nonferrous metals
- Excellent viscosity/temperature behavior

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Typical Properties

Property (Unit)	FGM100	FGM150	FGM220	FGM320	FGM460	FGM 680	Method
Density at +15 °C	885	889	894	897	901	911	DIN 51757
Viscosity @40°C, cSt	100	150	220	320	460	680	DIN 51550
Viscosity @100°C, cSt	11.3	14.5	18.9	25	31.7	38	DIN 51550
ISO Viscosity Grade	100	150	220	320	460	680	DIN 51519
Viscosity Index	110	110	117	118	121	125	DIN ISO 2909
Flash Point, °C	250	250	260	270	270	270	DIN ISO 2592
Pour Point, °C	-27	-26	-21	-21	-15	-15	DIN ISO 3016
Four ball weld load, N	1600	1600	1700	1800	1800	1800	DIN 51350-02
Four ball wear test, mm				0.29			DIN 51350-03
FZG test (A/8.3/90)				>12			DIN 51354

Notes for Use

- Condensation water may be absorbed without the danger of corrosion or a change in viscosity.
- Texol Gearsyn™ FG-M lubricants are compatible with seals, e.g. NBR, FPM.
- They are compatible with nearly all conventional one-component and two-component lacquers.
- Quality standard: Texol Gearsyn™ FG-M lubricants are CLP oils and exceed the minimum requirements according to DIN 51517 for CLP gear oils