



# Product Data Sheet

## Aminol™ GearSynth 680

Industrial gear oil

### Product description

Aminol™ GearSynth 680 is a fully synthetic, premium-performance, extreme-pressure lubricant specifically designed for enclosed industrial gears and bearings that operate under severe load conditions and extreme temperatures. Formulated using synthetic PAO base oils and selected additive technologies, it provides excellent protection against corrosion, wear, micropitting, and offers an extended oil service life due to its exceptional thermal stability

### Application

Aminol™ GearSynth 680 is suitable for application in industrial transmissions, where roller and plain bearings are subjected to high pressure and also for large-scale plants with pressure-feed lubrication systems.

### Features & Benefits

- Long drain intervals
- Exceptional film strength and extreme pressure resistance
- Robust protection against rust and corrosion
- Extended equipment life
- Effective water separation and demulsification characteristics
- Low foaming tendency

### Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	680
Density at 15°C	g/cm3	ASTM D 4052	0.861
Kinematic Viscosity at 40°C	mm2/s	ASTM D 445	680
Kinematic Viscosity at 100°C	mm2/s	ASTM D445	67.08
Viscosity Index	-	ASTM D 2270	172
Flash Point (COC)	°C	ASTM D 92	270
Pour Point	°C	ASTM D 97	-33
Copper Strip Corrosion	-	ASTM D 130	1b



Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

### Performance claims

- AIST 224
- AGMA 9005-F16-AS
- DIN51517-3 (CLP)
- ISO 12925-1 Type CKD
- FAG
- SKF

### Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

### Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

### Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.



## Notes

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