Product Data Sheet

**Eurotec™ Synthetic Gear Oil 680**

Gear oil

**Product description**

Eurotec™ Synthetic Gear Oil 680 is a synthetic industrial gear oil based on Poly-Alpha-Olefin (PAO) technology, developed through state-of-the-art German expertise. It has been designed for use in enclosed industrial gears and bearings that operate under severe load conditions and in extreme temperature variations, offering excellent wear properties, outstanding protection against micropitting, and exceptional extreme temperature performance.

**Application**

**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 | - | - |  |
| Density at 15°C | g/cm3 | ASTM D4052 |  |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D445 |  |
| Kinematic Viscosity at 100°C | mm2/s | ASTM D445 |  |
| Viscosity Index | - | ASTM D2270 |  |
| Acid number | mg KOH /g | ASTM D2896 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |
| FZG Scuffing, A/8.3/90 | Fail Load Stage | DIN 51354-2 |  |

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

**Specifications**

• DIN 51517 Part 3  
• AIST 224  
• AGMA 9005-F16 (AS)  
• Siemens MD revision 15  
• ISO 12925-1 CKC, CKD, CKE

**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.euroteclube.com](http://www.euroteclube.com)

* **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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