

TECHNICAL DATA

MOLYGEAR 680

G3000

Description

Molygear 680 is an ISO VG 680 grade general purpose, long life industrial gear oil containing molybdenum disulphide.

Molygear 680 meets the requirements of the following: U.S. Steel 224, Cincinnati Milacron, AGMA 250.4, AGMA 251.02, DIN51517 Part 3.

Areas of application

- Industrial gear boxes
- Worm drive gears
- Conveyor drive gear boxes

Features

- Increases component life
- Reduces operating temperatures
- Increases oil drain intervals – oil change intervals up to 20,000 hours
- General purpose – reduces lubricant stockholdings
- Increases in production and efficiency, reduces operating costs
- Meets Australian Mining and Heavy Industrial Environment requirements

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

Technical data

	Test Method
Appearance	Black liquid
ISO Viscosity Grade.....	680
Viscosity Index	96
Lubricating Solids.....	Molybdenum Disulphide
Viscosity at 40°C (cst)	6 80
Viscosity at 100°C (cst)	41 .0
'4 Ball'	
Weld Load (kg).....	800
Wear Scar (mm).....	0.3
Timken 'OK' Load (kg).....	36
Pour Point °C	0
Flash Point COC °C	240
	ASTM D2270
	ASTM D445
	ASTM D445
	ASTM D2596 (IP239)
	ASTM D4172
	ASTM D2782
	ASTM D-92

Directions for use

The product is applied in the same way as conventional gear oils.

Storage and Shelf Life

Store in dry conditions between 0°C and 50°C, away from sources of heat and naked flames. When stored in original sealed containers, the minimum shelf life is four (4) years.

Packaging

Molygear 680 is available in 20 Lt and 205 Lt drums.

Ordering Information:

20 Lt drum	#RC204589
205 Lt drum	#RC204596

Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website www.molybond.com.au.

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