

# OPAL HI-LOAD

## Total Plant Grease

### Description:

**MOLYBOND® Opal High Load** is a superior lithium complex grease containing molybdenum disulphide, designed for applications where a high-quality multi-purpose grease is required.

**MOLYBOND® Opal High Load** provides improved lubrication for manufacturing and processing plants, earthmoving equipment and road transport and is an excellent general-purpose grease for open cut and underground mining.

**MOLYBOND® Opal High Load** is formulated to provide excellent load carrying capacity, protection against wear, and resistance to water wash-out.

### Intended Use:

- Anti-friction bearings
- Plain bearings

### Product Features:

- **Multi-purpose grease**
- **Excellent resistance to water washout**
- **Extremely high load carrying capacity**
- **Operating temperature range -30°C to +180°C**
- **Excellent anti wear properties**
- **MPI Approved C13 (All animal products except dairy)**

### Typical Physical Properties:

		<u><b>TEST METHOD</b></u>
Appearance (concentrate)	Black Grease	
Lubricating Solids	Molybdenum Disulphide	
Thickener	Lithium	
NLGI Classification	1½ to 2	
Worked Penetration (mm X 10 <sup>-1</sup> )	275-315	ASTM D217 (IP50)
Base Fluid Type	Mineral Oil	
Base Oil Viscosity at 40°C (cst)	180	ASTM D445
Drop Point (°C)	200	ASTM D-566 (IP132)
'4 Ball'		
Weld Load (kg)	550	ASTM D2596 (IP239)
Wear Scar (mm)	0.48	ASTM D4172 at 40kg load
Timken 'OK' Load (kg)	28	ASTM D2509 (IP240)
Copper Corrosion Test	A1	ASTM D130 (IP112)
Corrosion Resistance	PASS	ASTM D1743
Water Washout Test (%) at 79°C	4	ASTM D1264
Wheel Bearing Leakage (%max)	1.6	ASTM D1263
Temperature Range (continuous)	-30°C to 180°C	
Max. Temperature for short periods	200°C	

#### AUSTRALIA

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<b>Application Instructions:</b>	<p><b>Opal Hi-Load</b> may be applied either manually or by automatic greasing systems designed to pump an NLGI No.2 grease.</p> <p><b>Opal Hi-Load</b> is compatible with most other soap-thickened greases. However, for best results bearings should be cleaned or purged of the previous lubricant prior to use.</p>	
<b>Storage:</b>	Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is four (4) years.	
<b>Warranty:</b>	Molybond will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.	
<b>Disclaimer:</b>	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and Molybond makes no representations or warranties of any kind concerning this data.	
<b>Order Information:</b>	450g cartridge 20kg pail	RK353857 RK353887
<b>Health &amp; Safety Information:</b>	For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website <a href="http://www.molybond.com.au">www.molybond.com.au</a> or <a href="http://www.molybond.co.nz">www.molybond.co.nz</a>	

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