

TECHNICAL DATA

OPAL HI-LOAD

Total Plant Grease

Description

Opal Hi-Load (TPG) is a superior lithium complex grease containing molybdenum disulphide, designed for applications where a high quality multi-purpose grease is required.

Opal Hi-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.

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

Areas of application

- Anti-friction bearings
- Plain bearings

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
- NZFSA Approved C13 (All animal products except dairy)

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 grease
Lubricating Solids.....	Molybdenum Disulphide
Thickener.....	Lithium
NLGI Classification.....	1 ¹ / ₂ to 2
Worked Penetration (mm X 10 ⁻¹)	275-315
Base Fluid Type	Mineral Oil
Base Oil Viscosity at 40°C (cst)	180
Drop Point (°C).....	200
'4 Ball'	
Weld Load (kg).....	550
Wear Scar (mm).....	0.48
Timken 'OK' Load (kg).....	28
Copper Corrosion Test.....	A1
Corrosion Resistance	PASS
Water Washout Test (%) at 79°C.....	4
Wheel Bearing Leakage (%max)	1.6
Temperature Range (continuous)	-30°C to 180 °C
Max. Temperature for Short Periods....	200°C

Directions for use

Opal Hi-Load may be applied either manually or by automatic greasing systems designed to pump an N.L.G.I No.2 grease.

Opal Hi-Load 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.

Storage and Shelf Life

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.

Packaging

Opal Hi-load is available in 450g, 2.5 kg, 20 kg and 180 kg sizes.

Ordering Information:

450g cartridge	#RY353857
2.5kg grease tin	#RK353872
20kg pail	#RK353887
180kg drum	#RK353892

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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