

<b>MOLYTEC AUSTRALIA</b> , Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157	
Tel. for Information: (07) 3245 2355 Last Updated: April 2008	Fax for Information: (07) 3245 2499 Page 1 of 2
<b>Technical Data Sheet</b>	<b>MOLYTEC Molyplex Grease</b>

## **DESCRIPTION**

MOLYTEC MOLYPLEX GREASE is a heavy-duty smooth grey/black grease based on a lithium complex thickener, high quality paraffinic and polybutene base stocks combined with the inclusion of extreme pressure additives, molybdenum disulfide, graphite and effective rust, oxidation and corrosion inhibitors. MOLYPLEX GREASE has an operating temperature range from  $-20^{\circ}\text{C}$  to  $175^{\circ}\text{C}$ .

## **PERFORMANCE**

**FUNCTIONAL MULTI-PURPOSE GREASE** for LOW and HIGH temperatures. It provides lubricating protection even for intermittent operation up to  $200^{\circ}\text{C}$ . Its ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent resistance to shear and high temperature operation, makes it preferred over other multi-purpose greases.

**WATER RESISTANT** Where water contamination or the water washout contaminating influences cannot be avoided, even at elevated temperatures, effective lubrication is maintained because of the excellent resistance of MOLYTEC MOLYPLEX GREASE to water washout. In these situations, it also gives protection against rusting and corrosion.

**ADHESIVE AND COHESIVE** MOLYTEC MOLYPLEX GREASE resists "Squeeze Out" from surfaces requiring lubrication under load conditions.

## **APPLICATIONS**

MOLYTEC MOLYPLEX GREASE is a prime recommendation for bucket pins and bushes, ball joints, pivot pins, splined shafts, roller bearings, plain bearings and most other heavy-duty applications in mining, cement plants, rock quarries, sugar milling, earthmoving and construction equipment and heavy industry in general.

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### **TECHNICAL DATA**

	<b>ASTM Method</b>	
NLGI Grade	-	2
Soap Type	-	Lithium Complex
Colour	-	Grey/Black
Texture	-	Smooth
Penetration at 25°C-		
Worked, 60 Strokes	D.217	265/295
Dropping Point, °C	D.2265	260+
Leakage, Wheel Bearing 65g-		
Packed, 163°C, g	D.1263	1.5
Water Washout at 80°C, %	D.1264	Less than 3
Oxidation Stability-		
Pressure Drop at 100 hour, kPa	D.942	15
Pressure Drop at 500 Hour, kPa	D.942	70
Rust Prevention Rating	D.1743	Pass
Timken, OK Load, Kg	D.2509	36
4-Ball Weld, Kg/f	D.2596	750
4-Ball Wear Scar, mm	D.2266	0.45
Base Oil, cSt at 40°C	D.445	1100
Molybdenum Disulfide, %mass	-	6
Graphite, %mass	-	2

The facts stated and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes.

### **PACKAGING**

P/No.	Size
M886	450g cartridge
M887	2.5kg pail
M888	20kg drum

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