



# PRODUCT DATA SHEET

## Molyplex 5

### PRODUCT DESCRIPTION

**Molyplex 5** is a smooth, grey coloured grease with exceptional load carrying capabilities. It is a lithium complex soap thickened heavy duty grease employing a 220 cSt high purity mineral base oil combined with performance enhancing additives and 5% molybdenum disulphide to impart supreme resistance to the effects of pressure and temperature on metal-to-metal contact surfaces.

### APPLICATONS

**Molyplex 5** can be used extensively throughout industrial, mining, off-highway plant and high intensity production sectors where there is an acute demand to lubricate plain and anti-friction bearings in high load and pressure applications. Due to its operating temperature range and heavy duty rating, it is a highly versatile multi-application grease. It offers superb corrosion protection to metal components and exhibits excellent oxidation stability characteristics. When stored under favourable conditions, it has a shelf life exceeding three years.

### TYPICAL PROPERTIES

Property	Method	Typical Results
NLGI Grade	-	2
Colour	-	Grey / Black
Worked Penetration	ASTM D217	265 - 295
Thickener	-	Lithium Complex
Dropping Point (°C)	ASTM D2265	>260
Solid Content (Molybdenum Disulphide)	-	5%
Copper Corrosion, 24 hours @ 100°C	ASTM D4048	1a
Corrosion	ASTM D1743	Pass
Oxidation Stability	ASTM D8206	
Time to 10% loss @ 160°C (min)		220
Four Ball Weld Load (kg/f)	IP 239	560
Four Ball Weld Scar, 40kg, 1 hour (mm)	IP 239	0.45
Base Oil Viscosity @ 40°C (cSt)	-	220
Operating Temperature Range (°C)	-	-20 to 160

**Available In:** 180kg

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It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)"

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