

# Product Data Sheet

## Millplex Moly Tac 5 EP 2 Grease

### Black Tacky Mixed Metal Complex EP Grease NLGI 2

#### Description

MILLPLEX MOLY TAC 5 EP 2 GREASE is a premium high-technology grease. It is dark grey in colour, and is a heavy duty, tacky, extreme pressure, calcium / lithium complex thickened grease.

The complex metal thickener system used in MILLPLEX MOLY TAC 5 EP2 GREASE has inherent properties that provide excellent water resistance and high temperature stability.

MILLPLEX MOLY TAC 5 EP 2 GREASE is blended using premium base stocks, extreme pressure agents, oxidation, corrosion and wear inhibitors, a highly effective tackiness agent, and with 5% Molybdenum Disulphide, and provides exceptional wear protection under shock and high load conditions.

MILLPLEX MOLY TAC 5 EP 2 GREASE offers excellent shear stability, pumpability, water washout resistance, thermal stability, extreme pressure load carrying ability, and provides for extended lubrication intervals.

The calcium / lithium complex thickener in MILLPLEX MOLY TAC 5 EP 2 GREASE provides an elevated dropping point of the grease making it an excellent choice for use in applications where sustained high operating temperatures are common.

#### Applications

MILLPLEX MOLY TAC 5 EP 2 GREASE is recommended for a wide variety of greasing applications across many industries including off-

road construction, mining and quarry operations, road construction, agriculture and farming equipment, and some on-highway truck trailer applications.

MILLPLEX MOLY TAC 5 EP 2 GREASE is recommended for roller bearings subjected to very heavy loads and shock loading, especially in slow or oscillating motion such as found in universal joints and CV joints.

It is an excellent choice for the lubrication of most types of heavy-duty earth moving machinery, including tractors (dozers), excavators, backhoes, shovels, high lifts, articulated loaders, haul trucks, tri-axle dumps, and more heavily loaded machine implement pins and bushings on buckets, loaders, shovels and continuous miners, shaker screens, crushers, and conveyors. and other applications operating in severe, high shock-load environments where metal to metal contact wear often occurs.

NOTE: MILLPLEX MOLY TAC 5 EP 2 GREASE is **not intended** for use in high-speed bearing applications such as those found in electric motors or the front wheel bearings of most vehicles. If such greases are used in high-speed bearings, problems can be experienced with roller "skidding" where the bearing roller fails to rotate through the full 360 degrees due to reduced friction. As a result, the roller may develop flat spots, and its service life is reduced.

#### Package Sizes

Item Code	Pack Size
MG0411205-0180	180 kg drum
MG0411205-0020	20kg pail
MG0411205-0450	450g cartridge (12 x 450g/ctn)

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**NOTE:** Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

## Typical Test Data

Property	Method	Typical
NLGI Grade		2
Thickener Type		Calcium / Lithium Complex
Colour, Visual		Dark Grey – Smooth, tacky
Molybdenum Disulphide , mass%	ASTM D128	5
Corrosion, Cu strip, 24hr @100°C	ASTM D130	1b
Penetration, Worked, 25° C,	ASTM D217	278
Dropping Point, °C,	ASTM D2265	280
Base Oil Viscosity, cSt @ 40° C	ASTM D445	431.5
4-Ball Wear Test, scar, mm	ASTM D2266	0.42
4-Ball EP Weld Point, kgf	ASTM D2596	800
Timken OK Load, kg	ASTM D2509	36
Oil Separation, 24 hr @25°C, m%	ASTM D1742	1.4
Wheel Bearing Leakage, m%	ASTM D1263	1.0
Water Washout, 80°C, % loss	ASTM D1264	2.5
Water Resistance @ 90°C, %	DIN 51807	1.1
Roll Stability, (tenth mm)	ASTM D1831	4.5
Usable temperature range in continuous service		-25 to 180°C
Maximum temperature for short term exposure		240°C

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## Key Benefits

- Excellent high temperature performance
- Superior oxidation and thermal stability
- Excellent rust and corrosion resistance
- Good mechanical and shear stability
- Excellent extreme pressure and load carrying performance and resistance to wear
- Good low temperature pumpability and performance

## Storage and Handling

Wherever possible store this product under cover to avoid any ingress of water. Do not store near hot work areas or where temperatures can reach above 60° C.

## Health, Safety and Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. This product should not be used for purposes other than its intended use.

Consult the Safety Data Sheet available by contacting The Millstream Group Pty Ltd office for further information.

## Contact

The Millstream Group Pty Ltd		
		
HEAD OFFICE: 89 Bullock Dray Drive Mt Crosby QLD 4306 Australia	B: +61 447 310 335	E: <a href="mailto:enquiries@millstreamgroup.com.au">enquiries@millstreamgroup.com.au</a> <a href="http://www.millstreamgroup.com.au">www.millstreamgroup.com.au</a>
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