

Product Data Sheet

Millplex Red HD EP 2 Grease

Lithium Complex Heavy-Duty EP Grease NLGI 2

Description

MILLPLEX RED HD EP 2 GREASE is a premium performance high-technology grease. It is dark red in colour, and is a heavy duty, tacky, extreme pressure, lithium complex grease.

MILLPLEX RED HD EP 2 GREASE is blended using premium selected base stocks, a synthetic polymer, oxidation, corrosion and wear inhibitors, a tackiness agent, and a highly effective extreme pressure additive combination which provides exceptional wear protection under shock and high load conditions.

MILLPLEX RED HD EP 2 GREASE offers excellent shear stability, pumpability, water washout resistance, thermal stability, and provides extended lubrication intervals.

The lithium complex thickener in **MILLPLEX RED HD EP 2 GREASE** elevates the dropping point of the grease making it an excellent choice for use in applications where sustained high operating temperatures are common.

Applications

MILLPLEX RED HD EP 2 GREASE is recommended for a wide variety of greasing applications across many industries including automotive, mining and quarry operations, off-road construction, road construction, agriculture and farming equipment, and some on-highway truck trailer applications.

MILLPLEX RED HD EP 2 GREASE 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, and shovels, and other applications operating in severe, high shock-load environments.

MILLPLEX RED HD EP 2 GREASE is not intended for use in high-speed bearing applications such as those found in electric motors due to the greases' higher viscosity base stock formulation.

Package Sizes

Item Code	Pack Size
MG0411202-0180	180 kg drum
MG0411202-0020	20kg pail
MG0411202-0450	450g cartridge (12 x 450g/ctn)

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.

Product Data Sheet

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

Typical Test Data

Property	Method	Typical
NLGI Grade		2
Thickener Type		Lithium Complex
Colour, Visual		Dark Red – Smooth, tacky
Corrosion, Cu strip, 24hr @100°C	ASTM D130	1b
Penetration, Worked, 25° C,	ASTM D217	280
Dropping Point, °C,	ASTM D2265	275
Base Oil Viscosity, cSt @ 40° C	ASTM D445	440
4-Ball Wear Test, scar, mm	ASTM D2266	0.40
4-Ball EP Weld Point, kgf	ASTM D2596	450
Timken OK Load, kg	ASTM D2509	34
Oil Separation, 24 hr @25°C, m%	ASTM D1742	0.9
Wheel Bearing Leakage, m%	ASTM D1263	1.4
Water Washout, 80°C, % loss	ASTM D1264	2.5
Roll Stability, (tenth mm)	ASTM D1831	+2
Usable temperature range in continuous service		-25 to 180°C
Maximum temperature for short term exposure		240°C

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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



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