

Product Data Sheet

Polytec EM 2 Grease

Electric Motor Bearing Grease NLGI 2

Description

POLYTEC EM 2 Grease is a premium polyurea thickened high-technology grease. It is blue in colour, and is a multi-purpose, long-life and hi-temperature operation polyurea grease.

POLYTEC EM 2 Grease is blended using premium selected base stocks, extreme pressure agents, oxidation, corrosion and wear inhibitors, and has been specifically formulated for use in electric-motor bearings.

POLYTEC EM 2 Grease is an exceptional long-life grease and has excellent hi-temperature lubrication performance in anti-friction ball, needle and roller bearings with bearing speeds up to and above 10,000 rpm operating in electric motors and particularly in sealed-for-life applications.

POLYTEC EM 2 Grease offers excellent shear stability, pumpability, and protection against rust and corrosion.

The synthetic polyurea thickener used in POLYTEC EM 2 Grease provides exceptional resistance to water wash out, and also elevates the dropping point of the grease making it an excellent choice for use in applications where sustained high operating temperatures are common.

Applications

POLYTEC EM 2 Grease is recommended for a wide variety of grease lubrication applications across many industries including automotive wheel bearings, electric vehicles and electric motor bearings, high-temperature pump bearings, factory-filled seal for life bearings, industrial fan bearings including high speed fans, oven fan bearings, industrial ball and roller bearings operating at high temperatures, alternator and generator bearings, starter motor bearings, and water pump bearings.

Due to the excellent rust and corrosion protection and resistance to water washing characteristics of POLYTEC EM 2 Grease, it is also an excellent choice for the lubrication of marine equipment including boat trailer wheel bearings, marine winches, cables, and outboard engine fittings.

Package Sizes

Item Code	Pack Size
MG0415101-0180	180 kg drum
MG0415101-0020	20kg pail
MG0415101-0450	12 x 450g cartridge per 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.

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Key Benefits

- Excellent long-life performance
- High temperature bearing applications
- Superior water resistance
- Excellent rust and corrosion resistance
- Exceptional oxidation and thermal stability
- 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		Polyurea
Colour, Visual		Blue – Smooth
Corrosion, Cu strip, 24hr @100°C	ASTM D130	1a
Penetration, Worked, 25° C,	ASTM D217	278
Dropping Point, °C,	ASTM D2265	268
Base Oil Viscosity, cSt @ 40° C	ASTM D445	110.2
4-Ball Wear Test, scar, mm	ASTM D2266	0.44
4-Ball EP Weld Point, kgf	ASTM D2596	250
Timken OK Load, kg	ASTM D2509	24
Corrosion Preventative Properties	ASTM D 1743	Pass
Oil Separation, 24 hr @25°C, m%	ASTM D1742	0.5
Water Washout, 80°C, % loss	ASTM D1264	1.0
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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