

Mobil Polyrex® EM

Electric Motor Bearing Grease

Product Description

Super-premium Mobil Polyrex EM polyurea grease is specially formulated for electric motor bearings. Its advanced thickener formulation and proprietary manufacturing techniques provide low noise characteristics, improved bearing performance, protection and longer motor life.

Features & Benefits

Mobil Polyrex EM offers the following features and benefits:

- Outstanding long-life, high-temperature & lubrication of ball and roller bearings
- Excellent mechanical shear stability
- Low noise properties
- Excellent corrosion resistance, even in the presence of salt water
- Specially formulated for electric motor bearing lubrication

Applications

- Electric motor bearings
- Fin fan bearings
- High-temperature pump
- Factory-filled, sealed-for-life ball bearings
- Ball or roller bearings operating at high temperatures where low oil separation is required
- Ball or roller bearings operating in noise sensitive environments

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at www.imperialoil.ca/mobil or by contacting Lubricants and Petroleum Specialities, Technical Services, Technical Help Desk: 1-800-268-3183



Typical Properties

Mobil Polyrex EM	
NLGI Grade	2
Color	Blue
Base Oil Viscosity, ASTM D 445	
cSt @ 40°C	115
cSt @ 100°C	12.2
Mineral Oil Viscosity Index, ASTM D 2270	95
Penetration, ASTM D217 worked, 60x, mm/10	284
Penetration, ASTM D217 worked, 100,000, mm/10	336
Dropping Point, ASTM D 2265, °C (°F)	288 (550)
High Temperature Grease Life, ASTM D 3336, Hours @ 177°C	750+
4-Ball Wear Scar, ASTM D 2266, @ 40kg, 1200 rpm, 75°C, 1 hr, mm	0.41
Low Temperature Torque, ASTM D 1478, g-cm @ -29°C	
Starting	6300
Running	488
Oil separation test, ASTM D 1742, %	0.3
EMCOR Corrosion Performance, 10% Synthetic Sea Water ASTM D 6138 (Prepared As Per ASTM D 665B)	0,0 (No Rust)
Copper Corrosion Resistance, ASTM D 4048	1A
Water Washout, ASTM D 1264, %	1.9
Rust Protection, ASTM D 1743, Distilled Water	Pass

Health & Safety

Mobil Polyrex EM is manufactured from high quality petroleum base stocks, carefully blended with selected thickeners and additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep finger away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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