

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



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	318
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

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

As in the case of all greases, if there is a puncture wound with grease contamination, or an injury where grease is injected into body tissue, such as a grease gun injury," prompt medical assistance should be obtained.

Additional important health and safety information on this product can be found in the Material Safety Data Sheet which is available online at www.exxon.com or by contacting Exxon Branded Lubricants, ExxonMobil Lubricants & Petroleum Specialties Company, North America Technical Services - MSDS, 3225 Gallows Road, Fairfax, VA 22037.

