

POLYUREK EM 2

POLYUREK EM 2 is specially formulated for electric-motor bearings. The advanced thickener formulation and proprietary manufacturing techniques provide improved bearing performance and protection for long electric motor life.

Product Features:

- Outstanding grease life
- Advanced polyurea thickener
- Excellent corrosion resistance
- Low-noise properties

Customer Benefits:

- Outstanding long-life, high-temperature lubrication of ball and roller bearings, particularly in sealed-for-life applications
- Increased durability versus conventional polyurea greases when subjected to mechanical shear forces
- Provides additional protection under mild salt-water wash conditions
- Suitable for lubrication of ball bearings in many noise-sensitive applications

Recommended Applications:

POLYUREK EM 2 is recommended by many major bearing and electric motor manufacturers for long-life lubrication of electric motor ball and roller bearings, Electric-motor bearings, such as, fin-fan bearings, high-temperature pump bearings, factory-filled and sealed-for-life ball bearings, Ball or roller bearings operating at high temperatures where low oil separation is required and for ball or roller bearings operating in noise sensitive environments.

POLYUREK EM 2 have been shown to be compatible with a number of lithium complex greases, as well as competitive electric motor mineral polyurea products, as determined by the methodology of ASTM D6185.

Typical Properties

POLYUREK EM 2

NLGI Grade	2
Color	White Beige
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	285
Penetration Change after 100.000 strokes, ASTM D217, mm/10	40
Dropping Point, ASTM D 2265, °C	260
Oil separation test, ASTM D 1742, %	0.5
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	7500
Running	800
EMCOR Corrosion Performance, 10% Synthetic Sea Water ASTM D 6138 (Prepared As Per ASTM D 665B)	0,1 (No Rust)
Rust Protection, ASTM D 1743, Distilled Water	Pass
Copper Corrosion Resistance, ASTM D 4048	1A
Water Washout, ASTM D 1264, %	1.9

****Also available in other NLGI Grades***

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website: www.brautek.com.