

## POLYSEN-EM

### POLYUREA BASED LUBRICATING GREASE (GROUP II)

#### DESCRIPTION :

**PolySen-EM** is a long lasting multifunctional grease utilizing a polyurea thickener. This new generation grease offers an excellent thermal stability over a wide range of temperatures. It provides superior shear resistance compared to conventional polyurea greases under mechanical shear forces. **PolySen-EM** offers excellent water washout resistance and outstanding protection against rust and oxidation. Its consistency is maintained under extreme conditions.

**PolySen-EM** is fortified with high performance additives and performs effectively under a wide range of conditions and extreme pressures. The grease maintains its consistency when exposed to high temperatures.

#### BENEFITS:

- Excellent extreme pressure properties
- Exceptional protection against rust and oxidation
- Outstanding performance at high temperature
- Excellent water washout resistance.
- Long lasting optimal lubrication
- Excellent resistance under extreme conditions and shock load.

#### APPLICATION:

**PolySen-EM** is recommended by major bearing and electric motor manufacturers for long-lasting lubricating protection and applications such as vertically mounted bearings, or very large motors where a stiffer grease consistency may be required.

##### Key Applications :

- Electric motor bearings
- High-temperature pump bearings
- 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.



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### SPECIFICATIONS:

NLGI Grade	2
Thickener	Polyurea
Colour	Blue
Texture	Smooth, homogeneous
Viscosity @ 40°C, cSt (ASTM D-445)	145
Viscosity @ 100°C, cSt (ASTM D-445)	10.5
Viscosity Index	101
Worked Penetration (ASTM D-217)	265
Weld Load, kg (ASTM D-2596)	500 min.
Timken OK Load, lb (ASTM D-2509)	60
Dropping Point, °F (ASTM D-2265)	500 min.
Pour Point of Based Oil, °C	-40°
Rust Protection (ASTM D-1743)	Pass
Water Washout, 175°F, % poids (ASTM D-1264)	5.0 max.
Water Spray-Off, % poids (ASTM D-4049)	20.0 max.