



MULTI EM 2

High Performance Polyurea Grease

Product Overview

MULTI EM 2 is a polyurea thickened lubricating grease based on mineral oil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives.

The ashless polyurea thickener, with its inherent oxidation resistant properties, makes the product suitable for applications within a very wide temperature range and especially at elevated temperatures.

The thixotropic behavior gives the product excellent mobility, helps to seal bearings from contamination and prevents leakage.

MULTI EM 2 is a high technology grease designed to give optimum performance for grease lubrication in industrial bearings.

Benefits

- Outstanding life at high temperatures
- Excellent mechanical stability
- Excellent corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good adhesive property ensures that the grease stays in place for longer re-lubrication intervals
- Excellent wear and oxidation resistance
- Good resistance to shock loads

Applications

- Long life lubrication of electric motor ball and roller bearings
- General lubrication of bearings, slides, racks subjected to high temperatures in dry and mildly humid environments, bearings of electric motors, generators, bearings of extraction fans for hot gas or steam, bearings of dryers, pumps, oven conveyors, and all other applications where rotation speeds and temperatures are high

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

MULTI EM 2		
Typical properties		
Test parameters	Method	
NLGI Grade	ASTM D 217	2
Thickener	-	Polyurea (MDI)
Colour	Visual	Blue
Base Fluid		Mineral Oil
Dropping point	ASTM D 2265	>260°C
Base oil viscosity at 40°C	ASTM D 445	110 mm ² /s
Base oil viscosity at 100°C	ASTM D 445	12 mm ² /s
Penetration 60 strokes	ASTM D 217	265 – 295
4-ball weld load	ASTM D 2596	315 kgf
4-ball wear scar	ASTM D 2266	0.43 mm
Water wash out at 79°C	ASTM D 1264	4%
Corrosion protection	ASTM D 1743	Pass
Copper corrosion	ASTM D 4048	1a
High temperature grease life at 177°C	ASTM D 3336	>750 h
FAG FE-9 at 160°C	DIN 51821	>100 h
Temperature range		-30°C to +180°C

Above characteristics are mean values given as information. They do not constitute a specification.