



MAK MP GREASE

High quality multipurpose grease for automotive and industrial application

MAK MP Grease is a premium quality lithium based multipurpose grease manufactured from superior quality base oils. This grease is fortified with a well-balanced additive chemistry comprising of anti-oxidant, anti-wear and anti-rust additives making it suitable for a wide range of general purpose applications. The grease also provides good resistance to water wash-out. It offers mechanical stability and is suitable for use in applications experiencing moderate temperatures and moderate loads.

Grades: MAK MP Grease is available in the following NLGI grades – **2** and **3**.

Applications:

MAK MP Grease is recommended for lubrication of industrial plain/ roller bearings, electric motor bearings, water pump bearings, conveyors, machine tools, automotive wheel bearings, various chassis parts operating under moderate load and moderate temperature conditions. MAK MP Grease is not recommended for applications where heavy or shock loading occurs. In such cases extreme pressure greases are preferred.

Performance/ Benefits:

Outstanding Oxidation Stability – outstanding resistance to the effects of oxidising agents. Ensures reliability, offers enhanced life to lubricant and changing intervals.

High Temperature Performance – offers excellent performance up to 120°C resulting in longer bearing life.

Good Structural Stability – resists early shear and works longer during harsh working conditions.

Excellent Mechanical Stability – provides durable lubricating film, offers excellent protection by avoiding loss of consistency and leakage during severe operations.

Strong Rust Protection – protects bearing components from rust and corrosion in humid environments.

Heavy Metal Free – does not contain Lead and other heavy metals considered harmful to human health and environment.

Performance Level/ Specification:

- IS 7623: 1993 (Grade 2 and 3) (Reaffirmed 2016)
- IPSS: 1-09-006-97

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 2 yrs. under protected conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the grease from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

Typical Physico-Chemical Data: MAK MP Grease

Characteristics	Method	2	3
Appearance	Visual	Smooth	Smooth
Color	Visual	Pale Yellow	Pale Yellow
Type of Thickener	-	Lithium	Lithium
Worked Penetration, @ 25°C, 60 strokes	ASTM D217	280	230
Drop Point, °C	ASTM D2265	185	190
Operating Temperature Range, °C	-	-20 to 120	-20 to 120
Kinematic Viscosity of Base Oil at 40 °C, cSt	ASTM D445	100	100
Oxidation Stability (100 h), drop in pressure kg/cm ²	ASTM D942	0.33	0.35
Copper Corrosion at 100 °C for 24 hrs.	ASTM D4048	Negative	Negative