

Zeal Royal Grease MP series

High Performance Lithium based - Multipurpose Greases



Product Data Sheet

Product Description

Zeal Royal Grease MP series are high performance greases, formulated with lithium based thickeners and an ISO VG 150 mineral base stock to provide added Royal ion against wear, rusting and water washout. They are available in NLGI grades 2 & 3, which are suitable for general purpose automotive applications at moderate temperatures and loads. The suitable operating temperature range is from -20°C to 120°C. It does not contain lead or any other heavy metals which are considered harmful to human health and environment.

Features & Benefits

- **Superior load carrying capacity** - reduces wear under moderate loading and vibrations, for good equipment reliability and performance.
- **Extra Royal ion against rust and corrosion** - Royals bearing surfaces against corrosion.
- **Good Oxidation and Thermal stability** - Royals against deposit formation at high operating temperatures and oil thickening.
- **Good resistance to water washout** - resists washout of grease in equipment operating in wet conditions.
- **Superior structural stability** – resists grease softening, even during extended mechanical working and high vibrations in equipment.
- **Wide Operating Temperature range**

Application

- Zeal Royal Grease MP series are suitable for general lubrication under normal operating conditions and loads, for all kinds of application in transport, agriculture and off road equipment.
- Suitable for passenger car, light truck, including all kinds of bearings and joints where temperature and loading conditions are normal.
- In applications where heavy or shock loading is involved, extreme pressure greases are preferred.

Typical Characteristics

Zeal Royal Grease MP series	Test Method	Units	MP 2	MP 3
NLGI Grade	ASTM D 217	--	2	3
Thickener Type	--	--	Lithium	Lithium
Color	Visual	--	Brown	Brown
Texture	Visual	--	Smooth	Smooth
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	265-295	220-250
Viscosity @ 40 °C	ASTM D 445	cSt	150	150
Dropping Point	ASTM D 566	°C	190 (min)	190 (min)
4-Ball Wear, Scar test	ASTM D 2266	mm	0.6	0.6
4-Ball Weld Load	ASTM D 2596	Kg	220	220

The above figures are typical of blends with normal production tolerance and do not constitute a specification.