

Spheerol LMM

Lithium base grease

Description

Spheerol LMM is an NLGI 2 lithium based grease, containing molybdenum disulphide solid lubricant to enhance its load carrying properties under conditions of high or shock loading or to prevent scuffing or fretting. It contains oxidation and corrosion inhibitors, antiwear additives, has good mechanical stability and can be used in the presence of moisture.

Application

Spheerol LMM may be used in plain and roller elements bearings including heavily loaded bearings at low and medium speeds, and those subject to shock loading and excessive vibrations.

Advantages

- Excellent EP and anti-wear performance - protects equipment against extreme loading and helps minimise bearing and component wear.
- Resistance to scuffing and fretting- provides protection against fretting that can occur on parts subject to reciprocating and sliding motion.
- High mechanical stability – the grease keeps its consistency in service ensuring long lubricant life.
- Good adhesion – continuous lubrication and reduced consumption as film stays between lubricated surfaces.
- Good water resistance – the grease film remains on the surface even in the presence of water.
- Resists the corrosion of both copper and steel – helps prevent rust and oxidation on metal surfaces.

Typical Characteristics

Name	Method	Units	Spheerol LMM
NLGI Classification	ASTM D217		2
Colour	Visual		Grey/Black
Base			Lithium
Penetration, worked 60 Cycles	ASTM D217	1/10 mm	265-295
Base oil kinematic viscosity at 40°C	DIN 51562	mm ² /s	150
Dropping Point, Grease	ASTM D566	°C	185
Operating temp, min/max		°C	-20/100

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

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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