



TECHNICAL DATA

GB UNIGREASE® LEP2M3

APPLICATIONS

GB UNIGREASE® LEP2M3 is a premium quality multi-purpose lithium grease, incorporating molybdenum disulphide and extreme-pressure additives, for use in all plain and anti-friction bearings subjected to high load conditions. The addition of molybdenum disulphide provides a high degree of wear protection against load, shock loading and dusty environments.

PERFORMANCE FEATURES

GB UNIGREASE® LEP2M3 is formulated for use in industrial and automotive applications and offers the following features:

- Mechanical stability
- Load-carrying properties
- Resistance to shock loads
- Anti-wear performance
- Corrosion protection
- Wide operating temperature range

METHOD OF APPLICATION

GB UNIGREASE® LEP2M3 can be applied manually, or by using a standard grease gun (400gm cartridges available), or via a centralised lubrication system designed for and capable of pumping an NLGI No 2 grease; consult a qualified centralised lubrication systems engineer before installation. As with all greases used for the first time, check compatibility with the grease applied previously and, if necessary, purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and only to apply the quantity of grease recommended by the bearing manufacturer.

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GB LUBRICANTS

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Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

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CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	-	-	Smooth grease
Colour	-	-	Grey/Black
NLGI Classification	-	-	2
Thickener	-	-	Lithium soap
Base Oil	-	-	Blend of solvent refined mineral oil
Base Oil Viscosity @ 40°C	cSt	IP 71	180
Worked Penetration	-	IP 50	265 to 295
Dropping Point	°C	IP 132	185 min
Oil Separation	%	IP 121	5 max
Copper Corrosion	-	IP 112	Pass
Resistance to Corrosion (Emcor)	-	IP 220	0:0
Water Washout @ 39°C	%	ASTM D 1264	3
Four Ball Weld Load	kgs	IP 239	315
Timken OK Load	lbs	IP 326	50
Oxidation stability @ 100°C		IP 142	
Pressure Drop after 100 hrs	psi		4
Pressure Drop after 400 hrs	psi		14
Molybdenum Disulphide content	%	-	3
Operating Temperature Range	-	-	-20°C to +140°C

STORAGE AND HANDLING

GB UNIGREASE® LEP2M3 should be stored under cover to avoid water collecting in the rim of upturned barrels.

HEALTH, SAFETY AND THE ENVIRONMENT

GB UNIGREASE® LEP2M3 is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.