

# LITHIUM COMPLEX GREASE



## PRODUCT DESCRIPTION

A premium quality multi-purpose extreme pressure lithium complex grease for lubricating all anti-friction and plain bearings. Used in industrial and automotive applications. It has shown exceptional performance providing extended lubrication intervals over wide operating temperatures.

## APPLICATIONS

Lithium Complex can be applied manually, or by using a standard grease gun (400 gm cartridges available), or via a central lubrication system capable of pumping an NLGI No. 2 grease; consult a qualified 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 apply the quantity of grease recommended by the bearing manufacturer.

## BENEFITS

- Exceptional mechanical stability extends relubrication intervals.
- Excellent oxidation stability provides lasting lubrication at high temperatures.
- Excellent EP and anti-wear performance.
- Good corrosion resistance protects components operating in wet conditions.

## TYPICAL PROPERTIES

Appearance	-	Smooth grease
Colour	-	Red
NLGI classification	-	2
Thickener	-	Lithium Complex
Base oil	-	Blend of solvent refined mineral oil
Base oil viscosity @40°C (IP71) cST	-	150
Worked penetration (IP50)	-	265 to 295
Dropping point (IP132) °C	-	250 min.
Oil separation (IP121) %	-	5 max.
Copper corrosion (IP112)	-	Pass
Resistance to corrosion Emcor (IP 220)	-	0:0
Water washout (ASTM D1264) @ 38°C %	-	3
@ 79°C %	-	4
Four ball weld load (IP 239) kgs	-	450
Wear load index	-	62
Timken ok load (IP 326) lds	-	45
Oxidation stability @ 100°C (IP 142)	-	
Pressure drop after 100 hours psi	-	4
Pressure drop after 400 hours psi	-	14
Lubricating solids content %	-	1
Operating temperature range	-	-20°C to + 150°C

## PACK SIZES

Lithium Complex Grease is packed in the following sizes:-

400gm cartridges, 12.5 kg and 50kg

For Health and safety information please refer to the relevant health and safety data sheet.

The content of this data sheet is given in good faith but without warranty.