



OPUS LUBRICANTS PRODUCT DATA

LITHIUM EP1

Description

A premium quality multi-purpose grease for use in all anti-friction and plain bearings subjected to high load conditions. Used extensively for applications throughout industry and the automotive sector and centralised lubricating systems where pumping over long distances is required.

Features

- Excellent extreme pressure and anti-wear performance
- High degree of corrosion protection
- Highly versatile multi purpose grease
- Excellent pumpability properties

Method of Application

OPUS Lithium EP1 can be applied manually, or by using a standard grease gun (400gm cartridges available), or via a central lubricating system capable of pumping an NLGI No.1 grease.

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.



Typical Properties

Appearance	-	Smooth grease
Colour	-	Dark brown
NLGI classification	-	1
Thickener	-	Lithium soap
Base oil	-	Blend of solvent refined mineral oil
Base oil viscosity @ 40°C (IP71) cSt	-	180
Worked penetration (IP50)	-	310 to 340
Dropping point (IP132) °C	-	185 min.
Oil separation (IP121) %	-	7 max.
Copper corrosion (IP112)	-	Pass
Resistance to corrosion Emcor (IP 220)	-	0:0
Water washout (ASTM D1264) @ 39°C %	-	5
Four Ball Weld Load (IP 239) kgs	-	315
Timken OK load (IP 326) lbs	-	50
Oxidation stability @ 100°C (IP142)		
Pressure drop after 100 hrs psi	-	4
Operating temperature range	-	-20°C to +140°C

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