LITHIUM EP1

Last Updated: 09.01.2025
Product Code: GR0121

LITHIUM EP1 is 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 centralized lubricating systems where pumping over long distances is required.

APPLICATION

Lithium EP1 can be applied manually, or by using a standard grease gun (400 gms 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.

BENEFITS

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

TYPICAL PROPERTIES

Appearance	Smooth Grease
Colour	Dark Brown
NLGI Classification	1
Thickener	Lithium Soap
Base Oil	Solvent Refined Mineral Oil
Base Oil Viscosity @ 400C (IP71) cSt	180
Worked Penetration (IP50)	310 to 340
Dropping Point (IP132) °C	185 min.
Oil Separation (IP121) %	7 max.
Copper Corrosion (IP 112)	Pass
Resistance To Corrosion Emcor (IP 220)	0 : 0
Water Washout (ASTM D1264) @ 390C %	5
Four Ball Weld Load (IP 239) kgs	315
Timken OK Load (IP 326) lbs	50

Oxidation Stability @ 1000C (IP142)

Pressure Drop After 100 psi	4
Operating Temperature Range	-20°C to +140°C

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

SAR LUBRICANTS (SQUIRE A. RADCLIFFE & SONS LTD)
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Registered in England: 05866783 VAT Registration No: 889171963

NOTE: Read and understand all precautions on container labels before using this product.

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