Technical Data Sheet

SAR Lubricants

Last Updated: 14.11.2006
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	Oil Separation (IP121) %:	7 max.
Colour:	Dark Brown	Copper Corrosion (IP 112)	Pass
NLGI Classification:	1	Resistance To Corrosion Emcor (IP 220):	0 : 0
Thickener:	Lithium Soap	Water Washout (ASTM D1264) @ 39^{0}C %:	5
Base Oil:	Solvent Refined Mineral Oil	Four Ball Weld Load (IP 239) kgs:	315
		Timken OK Load (IP 326) lbs:	50
Base Oil Viscosity @ 40^{0}C (IP71) cSt:	180	Oxidation Stability @ 100^{0}C (IP142)	
Worked Penetration (IP50):	310 to 340	Pressure Drop After 100 psi:	4
Dropping Point (IP132) ^{0}C:	185 min.	Operating Temperature Range:	-20^{0}C to +140^{0}C

HEALTH AND SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Safety Data Sheet is available on request.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.

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