



LITHIUM COMPLEX EP1T LVX RED

LITHIUM COMPLEX EP1T LVX RED is a premium quality, high performance, multi-purpose grease manufactured using mineral oil and a lithium complex thickener. Lithium Complex EP1T LVX Red uses the latest extreme pressure (EP), anti-wear, anti-oxidation and corrosion inhibiting additives which are designed to reduce wear, improve grease performance and extend component life in dry dusty, wet and shock loaded conditions.

Lithium Complex EP1T LVX Red grease has been designed for the lubrication of standard and heavy duty anti-friction roller and plain bearings operating in normal and more demanding applications experienced in many industries such as agricultural, automotive, construction, commercial, forestry, industrial and marine applications.

BENEFITS:

- Excellent load bearing properties and anti-wear performance
- Excellent mechanical stability extends relubrication and prolongs component life
- Excellent oxidation stability provides lasting lubrication at higher temperatures
- Excellent corrosion resistance
- Withstands heavy shock loads
- Good resistance to the ingress of dirt and moisture

Method of Application

Always follow the equipment manufacturer's recommendations and instructions prior to use. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, clean or purge components prior to application. To ensure adequate lubrication, apply the quantity of grease recommended by the equipment manufacturer.

Storage

Products should always be stored in their original packaging and at temperatures between 0°C and 25°C, away from any moisture and direct sources of heat or sunlight. The recommended shelf life for grease is 2 years when stored under normal recommended conditions.



TYPICAL ANALYSIS:

| Properties | Unit | Method | Typical |
|---|--------|-------------|-----------------|
| Appearance | - | - | Tacky Grease |
| Colour | - | - | Red |
| NLGI Grade | - | - | 1 |
| Thickener | - | - | Lithium Complex |
| Base Oil | - | - | Mineral Oil |
| Base Oil Viscosity @ 40°C | cSt | ASTM D445 | 150 |
| Worked Penetration | dmm | ASTM D217 | 310-340 |
| Dropping Point | °C | ASTM D2265 | >260 |
| Four Ball Weld Load, 10s | kgf | IP 239 | 450 |
| Four Ball Wear Scar, 40kg 1 hour | mm | IP 239 | 0.51 |
| Extended Worked Penetration 100,000 strokes | dmm | ASTM D217 | +23 |
| Roll Stability – 2 hours @ 35°C | dmm | ASTM D1831 | +22 |
| Oil Separation 42 hours @ 40°C 168 hours @ 40°C | % % | IP 121 | 3.6 7.2 |
| Copper Corrosion 24 hours @ 100°C | - | ASTM D4048 | 1a |
| Corrosion | - | ASTM D1743 | Pass |
| FFK Flow Pressure, - 40°C | hPa | DIN 51805-2 | 1375 |
| Operating Temperature | - | - | -40°C to +150°C |

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| Flash point | > 200°C Pensky-Martens closed cup. Information given is applicable to the major ingredient. |
| Evaporation rate | No information available. |
| Evaporation factor | No information available. |
| Flammability (solid, gas) | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Other flammability | No information available. |
| Vapour pressure | No information available. |
| Vapour density | No information available. |
| Relative density | 0.90 @ 25°C |
| Bulk density | No information available. |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | No information available. |
| Auto-ignition temperature | No information available. |
| Decomposition Temperature | No information available. |
| Viscosity | 150 cSt @ 40°C Information given is applicable to the major ingredient. |
| Explosive properties | Not considered to be explosive. |
| Explosive under the influence of a flame | Not considered to be explosive. |