

**TECHNICAL DATA SHEET**  
**ORIENT LITHIUM GREASE - EP 2**

**Description and Application:**

**ORIENT LITHIUM GREASE EP-2** is a high-quality Lithium hydroxy stearate extreme pressure grease. It incorporates a lead-free EP additive and is for use where surfaces are subjected to heavy or shock loading. It also contains oxidation and corrosion inhibitors, which help to ensure long service life of the grease and a high level of protection for ferrous surfaces. Used in all kinds of machinery- including electrical motors, machine tools, textiles, paper making and woodworking machines and construction equipment. These greases can be used at higher temperatures of up to 180°C for short duration or with frequent replacement. Continuous operating temperature range for these greases: -20 to 180°C

**Main Benefits**

- ✚ Long service life.
- ✚ Low friction torque
- ✚ Resistant to wash –off by water
- ✚ Good shear –stability and resistance to vibration.
- ✚ High Load carrying capacity and low wear.

**Typical Characteristics**

No	Test Parameters	Method	Specification	Values
1	NLGI Classification	-	EP-2	EP-2
2	Type of Soap	-	12-HSA	12-HSA
3	Base oil type		Mineral Oil	Mineral Oil
4	Appearance	Visual	Homogeneous	Homogeneous
5	Color	Visual	Brown	Blue
6	Odor	Visual	Acceptable	Acceptable
7	Texture	Visual	Smooth	Smooth
8	Mechanical Impurities	Visual	Nil	Nil
9	Dropping Point °C	ASTM D 566	>185	194
10	Worked Penetration 25C After 60 strokes	ASTM D 217	265/295	270
11	Difference between worked & Unworked Penetration, (max)	ASTM D 217	20	12
12	Water Content (%w)	ASTM D 95	0.1 Max	Nil
13	Oil Separation % wt	ASTM D 1742	Max 5%	3.1
14	Kinematic, Viscosity@40 °C	ASTM D 445	110-130	120
15	Kinematic, Viscosity@100°C	ASTM D 445	11 to 13	12
16	Viscosity Index	ASTM D 2270	Report	87
17	Copper Strip Corrosion (3Hrs)	IP 112	Not Black or Gray	1b
18	Four Ball Weld Load (kg)	ASTM D 2596	250 to 315	>250
19	Operating Temperature	-	min -20/max 180°C	110

The above figures are typical of those obtained with normal production tolerance and do not constitute specifications.