

Product Data Sheet

Crystal EP 1

Description and Applications

Saheli Crystal EP 1 is a lithium thickened lubricating grease based on mineral oil and contains antioxidants, corrosion inhibitors and EP/AW additives.

Saheli Crystal EP 1 is a state-of-the-art multipurpose EP grease which can be used in various applications within given temperature limits.

Saheli Crystal EP 1 offers good mechanical stability, high load carrying capacity and good corrosion protection, making it suitable for heavily loaded bearings as well as wet environments.

Saheli Crystal EP 1 is a high quality multipurpose grease that can be used in both industrial and automotive applications and is suitable for a wide range of plain and rolling bearings.

Temperature Range

Continuous operation: -30°C to +120°C

Short period: max +130 °C

Specifications/Classification

- **NLGI 1**
- DIN 51502: KP1K-30 / ISO 6743: ISO-L-XCCFB1

Test Parameters	Test Method	Typical
Approximate Density @20°C	IPPM-CS/03	930kg/m3
NLGI Classification	ASTM D217	1
Base Oil Viscosity @ 40°C	ISO 12058	200mm2/s
Base Oil Viscosity @ 100°C	ISO 12058	15mm2/s
Dropping Point °C	IP 396	>180
Mechanical Stability		
Penetration 60 strokes	ISO 2137	310-340
Penetration 100.000 strokes	ISO 2137	+30
Shell Roll Stability 2hrs/rt	ASTM D1831	+30
Shell Roll Stability 50hrs@ 80°C	ASTMD 1831mod	+30
Corrosion Protection		
SKF Emcor distilled water	ISO 11007	0-0
SKF Emcor Salt water	ISO 11007	0-0
Copper Corrosion 24hrs @ 100°C	ASTM D4048	1b
Water washout resistance	DIN 51807-1	1-90
Oil Separation 168hrs @ 40°C	IP 121	10%
Anti-wear Properties		
4-ball wear scar 1hr @ 400 N	DIN 51350-5	0.6mm
Oxidation Stability 100hrs @ 100°C	ASTM D942	30 kPa

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.

Saheli Energy Solutions P.O.Box : 500102 Fax : +971 44301710 Dubai, UAE - info@saheli-lubes.com - www.saheli-lubes.com