

Product Data Sheet

Crystal Synth EP 2

Description and Applications

Saheli Crystal Synth EP 2 is a lithium complex thickened lubricating grease based on low viscous synthetic oil. **Saheli Crystal Synth EP 2** contains antioxidants, corrosion inhibitors and AW /EP additives. The special low viscous synthetic oil gives **Saheli Crystal Synth EP 2** very low starting and running torques making it suitable for low temperature applications.

Saheli Crystal Synth EP 2 is also suitable for roller bearings operating at high speed.

Saheli Crystal Synth EP 2 has excellent low temperature performance, very good mechanical stability, good corrosion protection and is suitable for high-speed applications.

Saheli Crystal Synth EP 2 is a modern high performance synthetic low temperature grease that can be used in both industrial and automotive applications and in modern centralized lubrication systems operating at low temperatures and is suitable for use down to -55°C.

Temperature Range

Continuous operation: -55°C to +120°C

Short period: max +150 °C

Specifications/Classification

- **NLGI 2**
- DIN 51502: KPHC2K-55
- ISO 6743: ISO-L-XECIB2

Test Parameters	Test Method	Typical
Approximate Density @20°C	IPPM-CS/03	910kg/m3
NLGI Classification	ASTM D217	2
4-ball weld load	DIN 51350-4	3800N
Base Oil Viscosity @ 40°C	ISO 12058	145mm2/s
Base Oil Viscosity @ 100°C	ISO 12058	8mm2/s
Dropping Point °C	IP 396	>260
<u>Mechanical Stability</u>		
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+40
Shell Roll Stability 50hrs @ 80°C	ASTM 18031mod	+50
<u>Corrosion Protection</u>		
SKF Emscor WWO Distilled water	ISO 11007mod	0-0
SKF Emscor WWO Salt water	ISO 11007mod	2-2
Copper Corrosion 24hrs @ 100°C	DIN 51811	1b
Water washout resistance	DIN 51807-1	1-90
Anti-wear properties		
4-ball wear scar 1h 400N	DIN 51350-5	0.8mm

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.

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