

## Product Data Sheet

### Crystal Synth X EP 2

#### Description and Applications

**Saheli Crystal Synth X EP 2** is a lithium thickened lubricating grease based on synthetic oil. **Saheli Crystal Synth X EP 2** contains antioxidants, corrosion inhibitors and EP/AW additives based on bismuth technology. The thickener, together with the synthetic base oil, makes **Saheli Crystal Synth X EP 2** suitable for both high and low temperature applications. The complex soap structure also gives **Saheli Crystal Synth X EP 2** a high degree of mechanical stability. This enhances the performance in vibrating housings and prolongs re-lubrication intervals.

**Saheli Crystal Synth X EP 2** has excellent high and low temperature properties, has very good mechanical stability, high load carrying capacity and good corrosion protection. The specially developed bismuth additive package gives **Saheli Crystal Synth X EP 2** a very high load carrying capacity and excellent wear protection.

**Saheli Crystal Synth X EP 2** is a modern high performance synthetic product suitable for both industrial and automotive applications.

**Saheli Crystal Synth X EP 2's** all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions.

#### Temperature Range

Continuous operation: -40°C to +150°C

Short period: max +220 °C

#### Specifications/Classification

- **NLGI 2**
- DIN 51502: KHCP2N-40
- ISO 6743: ISO-L-XDDIB2

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Test Parameters	Test Method	Typical
Approximate Density @20°C	IPPM-CS/03	870kg/m <sup>3</sup>
<b>NLGI Classification</b>	<b>ASTM D217</b>	<b>2</b>
4-ball weld load	DIN 51350-4	3800N
Base Oil Viscosity @ 40°C	ISO 12058	100mm <sup>2</sup> /s
Base Oil Viscosity @ 100°C	ISO 12058	15mm <sup>2</sup> /s
Dropping Point °C	IP 396	>260
<u>Mechanical Stability</u>		
Penetration 60 strokes	ISO 2137	265-295
Penetration 100.000 strokes	ISO 2137	+30
Shell Roll Stability 50hrs @ 80°C	ASTM 18031mod	+50
<u>Corrosion Protection</u>		
SKF Emscor distilled water	ISO 11007	0-0
SKF Emscor salt water	ISO 11007	0-1
SKF Emscor WWO Distilled water	ISO 11007mod	0-0
SKF Emscor WWO Salt water	ISO 11007mod	2-3
Copper Corrosion 24hrs @ 100°C	DIN 51811	1b
Water washout resistance	DIN 51807-1	1-90
Oil Separation =168hrs @ 40°C	IP 121	2%
Starting and Running Torque @ -40°C	-	0.59Nm/0.05Nm

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.