

### Description

LGLT 2 is a premium quality, fully synthetic oil based grease using lithium soap thickener. Its unique thickener technology and its low viscosity oil (PAO) offer excellent lubrication performance at temperatures as low as -50 °C (-58 °F) and at extremely high speed n.dm values of  $1.6 \times 10^6$  can be reached.

### Benefits

Due to the low base oil viscosity, the friction torque and thus the power loss will be kept at a low level when lubricating using LGLT 2. SKF LGLT 2 offers excellent lubrication in quiet running behaviour and is therefore suitable for use in small electric motors. LGLT 2 provides extremely good oxidation stability and resistance to water.



### Application

SKF grease LGLT 2 is suitable for the following applications:

- Textile spinning spindles
- Machine tool spindles
- Instruments and control equipment
- Small electric motors used in medical and dental equipment
- Inline skates



### Available pack sizes

0,2 kg tube

1 kg can

25 kg drum

180 kg drum

### Technical data

| Designation                                                   | LGLT 2/(pack size)                     |       |   |
|---------------------------------------------------------------|----------------------------------------|-------|---|
| DIN 51825 code                                                | K2G-50                                 |       | i |
| NLGI consistency class                                        | 2                                      |       | i |
| Soap type                                                     | lithium                                |       | i |
| Colour                                                        | beige                                  |       | i |
| Base oil type                                                 | PAO                                    |       | i |
| Operating temperature range, °C (°F)                          | -50 to 110 (-58 to 230)                |       | i |
| Dropping point DIN ISO 2176, °C (°F)                          | 180 min. (356 min.)                    |       | i |
| <b>Base oil viscosity</b>                                     |                                        |       |   |
| 40 °C, mm <sup>2</sup> /s                                     | 18                                     |       |   |
| 100 °C, mm <sup>2</sup> /s                                    | 4,5                                    |       |   |
| <b>Penetration DIN ISO 2137</b>                               |                                        |       |   |
| 60 strokes, 10 <sup>-1</sup> mm                               | 265 - 295                              |       | i |
| 100 000 strokes, 10 <sup>-1</sup> mm                          | +50 max.                               |       |   |
| <b>Mechanical stability</b>                                   |                                        |       |   |
| Roll stability, 50 hours at 80 °C, change 10 <sup>-1</sup> mm | +50max.                                |       |   |
| SKF V2F test                                                  | -                                      |       |   |
| <b>Corrosion protection</b>                                   |                                        |       |   |
| SKF Emscor:                                                   | Standard ISO 11007                     | 0 - 1 | i |
|                                                               | Water washout test                     | -     |   |
|                                                               | Salt water test (100% seawater)        | -     |   |
| <b>Water resistance</b>                                       |                                        |       |   |
| DIN 51 807/1, 3 hrs at 90 °C                                  | 1 max.                                 |       | i |
| <b>Oil separation</b>                                         |                                        |       |   |
| DIN 51 817, 7 days at 40 °C, static, %                        | < 4                                    |       | i |
| <b>Lubricating ability</b>                                    |                                        |       |   |
| SKF R2F, running test B at 120 °C                             | -                                      |       | i |
| <b>Copper corrosion</b>                                       |                                        |       |   |
| DIN 51 811, 100 °C                                            | 1 max.                                 |       | i |
| <b>Rolling bearing grease life</b>                            |                                        |       |   |
| SKF ROF test L50 life at 10 000 rpm, hrs                      | > 1 000, 20 000 rpm at 100 °C (212 °F) |       | i |
| <b>EP performance</b>                                         |                                        |       |   |
| Wear scar, DIN 51350/5, 1 400 N, mm                           | -                                      |       |   |
| 4 ball test, welding load, DIN 51350/4                        | 2 000 min                              |       |   |

