

# High temperature and harsh environment food grade grease

## LGED 2

SKF LGED 2 is a food grade NSF H1 certified grease based on a synthetic fluorinated oil using a PTFE thickener. It is suitable for extremely high temperature from 180 °C (392 °F) up to 240 °C (464 °F) and/or aggressive environments such as acids/alkalis, vacuum, oxygen etc.

- Excellent oxidation resistance
- Very low evaporation losses at high temperature
- Good corrosion resistance
- Long life in aggressive environments such as very reactive areas with a presence of high purity gaseous oxygen and hexane
- NSF H1 registered

### Typical applications

- Bakery/brick oven equipment
- Glass industry
- Kiln truck wheels
- Load rollers in copying machines
- Wafer baking equipment
- Textile dryers
- Film stretching tenders
- High temperature fans
- Vacuum pumps



### Important note:

LGED 2 is a fluorinated grease and is not compatible with other greases, oils and preservatives (except LGED 2). Therefore, very thorough cleaning of bearings and systems is essential before applying fresh grease.

### Available pack sizes

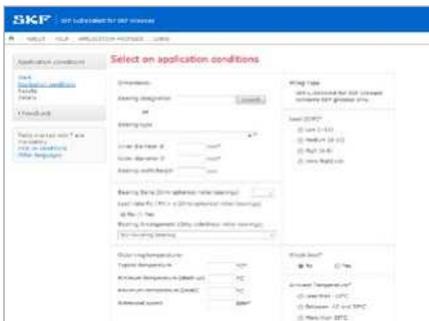
Packsizes	Designation
1 kg can	LGED 2/1



## Technical data

Designation	LGED 2/(pack size)		
DIN 51825 code	KFK2U-30	EP performance	4-ball test, welding load DIN 51350/4, N
NLGI consistency class	2		8 000 min.
Thickener	PTFE	Water resistance	DIN 51 807/1, 3 hrs at 90 °C
Colour	White		1 max.
Base oil type	PFPE (Synthetic fluorinated polyether)	Oil separation	DIN 51817, 7 days at 40 °C, %
Operating temperature range	-30 to +240 °C (-22 to +464 °F)		1-3
Dropping point DIN ISO 2176	>300 °C (>570 °F)	Copper corrosion	ISO 2160
Base oil viscosity			1 max. at 100 °C (210 °F)
40 °C, mm <sup>2</sup> /s	460	Rolling bearing grease life	ROF test
100 °C, mm <sup>2</sup> /s	42		L <sub>50</sub> life at 10 000 r/min., hrs
Penetration DIN ISO 2137			1000 at 200 °C (392 °F)
60 strokes, 10 <sup>-1</sup> mm	265-295	Evaporation losses	6 weeks at 200 °C, % weight losses
100 000 strokes, 10 <sup>-1</sup> mm	+30		<3,5%
Corrosion protection		Oxygen pressure surge	ISO 2101
Emcor:			70 bar
- standard ISO 11007	0-0	Shelf life	2 years
		NSF Reg. No.	156010

These characteristics represent typical values.



Advanced tool for grease selection and relubrication calculation

## LubeSelect for SKF greases

Selecting a suitable grease for a particular bearing is a crucial step if the bearing is to meet design expectations in its application. SKF knowledge about bearing lubrication has been encapsulated into a computer program that can be consulted at [skf.com/lubeselect](http://skf.com/lubeselect)

LubeSelect for SKF greases provides you a user friendly tool to select the right grease and suggest frequency and quantity, while taking into account the particular conditions of your application. General guidelines for typical greases for different applications are also available.



Scan or click the QR code, or go to [skf.com/lubeselect](http://skf.com/lubeselect)

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