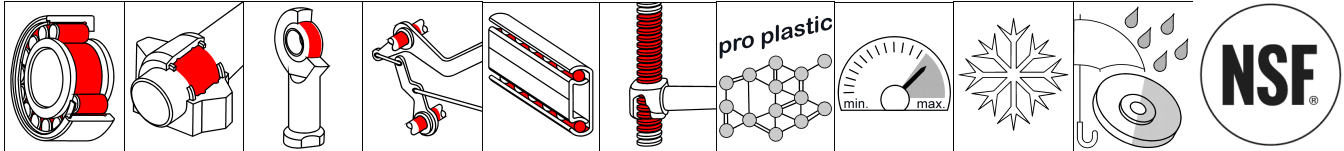


## OKS 472 Low-Temperature Grease for Food Processing Technology



### Description

White fully synthetic low-temperature grease with NSF H1 certification for food processing technology.

### Applications

- Grease lubrication of friction and rolling bearings at low operating temperatures
- Grease lubrication of friction and rolling bearings at high speeds
- Grease lubrication of bearings with low coasting moments or low bearing play

### Advantages and benefits

- NSF H1 registered
- Low-viscosity, fully synthetic base oil ensures the functionality of the lubricating film up to  $-70^{\circ}\text{C}$
- Very good conveying capability in central lubricating systems also at low temperatures

### Main fields of application

- Food industry (cold storage houses)
- Machine tools
- Packaging industry

### Application tips

Clean the surfaces for optimal effect. Before filling for first time, remove anti-corrosion agent. Fill the bearing such that all functional surfaces are certain of being greased. Fill normal bearings up to about 1/3 of the free space inside the bearing, high-speed bearings (DN value above 400,000) up to about 1/4. Low-speed bearings (DN value below 50,000) and their housings should be filled completely. In as far as available, the bearing and machine manufacturer's instructions should be observed. Subsequent lubrication at the lubrication nipples by grease gun or by automatic lubrication systems. Assess the lubrication frequency and quantity on the basis of the service conditions. If old grease cannot be removed, restrict the quantity of grease so as to avoid over-lubricating the bearing. If lubrication frequencies tend to be low, you should aim for a full grease change. Caution: Only mix with suitable lubricants.

Our customer advice service will be pleased to help should you have any further questions.

## OKS 472 Low-Temperature Grease for Food Processing Technology

### Technical Data

	Standard	Conditions	Unit	Value
Marking	DIN 51 502	DIN 51 825		KHC1K-40
<b>Base oil</b>				
Type				Polyalphaolefin, ester
Viscosity	DIN 51 562-1	40°C 100°C	mm <sup>2</sup> /s mm <sup>2</sup> /s	30 6
Pour point	DIN ISO 3016	3°C step	°C	< -70
Flashing point	DIN ISO 2592	> 79	°C	> 200
<b>Thickener</b>				
Type				Aluminium-complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI grade	1
Worked penetration	DIN ISO 2137	60 cycles	0.1 mm	310 - 340
Drop point	DIN ISO 2176		°C	> 220
<b>Application-specific data</b>				
Density	DIN EN ISO 3838	20°C	g/cm <sup>3</sup>	0.9
Colour				whitish
DN factor			mm x 1/min	800,000
<b>Operating temperatures</b>				
Lower operating temperature	DIN 51 805	< 1,400 hPa Maximum	°C	-45 -70
Upper operating temperature	DIN 51 821-2	F50 (A/1500/6000), 100 h	°C	120
<b>Corrosion protection tests</b>				
Water resistance	DIN 51 807-1	3 h / 90°C	Degree 0 - 3	1
Corrosion on copper	DIN 51 811	24 h / 100°C	Corr. degree 0 - 5	1
<b>Approvals/Specifications</b>				
Food processing technology				NSF H1 Reg. No. 135749

### Packaging

- 400 ml cartridge
- 1 kg tin
- 5 kg hobbock
- 25 kg hobbock

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