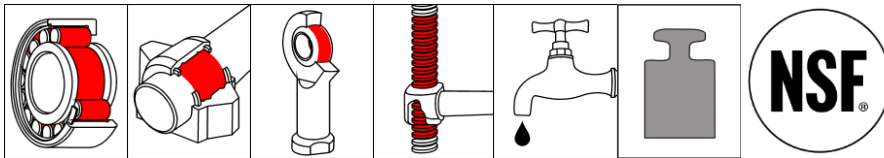


## OKS 480 / OKS 481

### Waterproof High-Pressure Grease for Food Processing Technology



#### Description

Fully synthetic calcium sulphonate complex grease for high loads and pressures at applications in the complete food processing technology.

#### Applications

- Rolling and friction bearing lubrication, even at high temperatures
- Lubrication for bearings with contact to cleaning agents or disinfectants
- For mechanical units such as levers, joints and hinges, also under strong water effect

#### Main fields of application

- Food processing and beverage industry
- Pharmaceutical industry
- Livestock feed industry
- Packaging industry

#### Advantages and benefits

- NSF H1 registered (OKS 480 & OKS 481)
- High shear stability prevents thinning out of the grease under extreme mechanical loads such as during vibrations
- Excellent wear protection and very good high-pressure properties
- The calcium sulphonate complex soap ensures excellent water resistance and very good corrosion protection
- Broad temperature application range (-30°C to +160°C)
- High temperature and oxidation stability through fully synthetic base oil
- Very high resistance to water-alkaline or acidic disinfectants and cleaning agents
- Spray version OKS 481

#### 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. Low-speed bearings (DN value below 50,000) and their housings should be filled completely. 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 basis of 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. Only mix with suitable lubricants.

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

# PRODUCT INFORMATION

## OKS 480 / OKS 481

### Waterproof High-Pressure Grease for Food Processing Technology

#### Technical Data

	Standard	Conditions	Unit	Value
Marking	Analogue to DIN 51 502			KPHC2P-30
<b>Base oil</b>				
Type				Polyalphaolefine
Viscosity	DIN 51 562-1	40°C	mm <sup>2</sup> /s	100
Viscosity	DIN 51 562-1	100°C	mm <sup>2</sup> /s	14.7
<b>Thickener</b>				
Type				Calcium sulphonate complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI grade	2
Worked penetration	DIN ISO 2137	60 cycles	0.1 mm	265-295
Drop point	ASTM D2265		°C	> 300
<b>Application-specific data</b>				
Density	DIN EN ISO 3838	20°C	g/cm <sup>3</sup>	0.96
Colour				beige
DN factor			mm/min	400,000
<b>Operating temperatures</b>				
Lower operating temperature			°C	-30
Upper operating temperature			°C	160
<b>Wear protection tests</b>				
Four-ball test rig welding load	DIN 51 350-4		N	4,000
<b>Approvals/Specifications</b>				
Food processing technology		OKS 480		NSF H1 Reg. No. 148971
Food processing technology		OKS 481		NSF H1 Reg. No. 153878

#### Packaging

- 400 ml cartridge
- 1 kg tin
- 5 kg hobstock
- 25 kg hobstock
- 400 ml spray (OKS 481)

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