



OKS 479 - Product Information

Fields of Application:

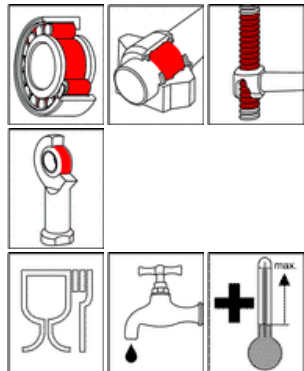
Lubrication of rolling and plain bearings, joints, linear drives and chains, as well as fittings, gaskets, moulded parts and elements made of elastic rubber materials in hot and cold-water segment, e.g. for sanitary fixtures and machines in dairies, breweries, slaughterhouses, bakeries etc.

OKS 479

High-Temperature

Grease for Food

Processing Technology



Advantages and Benefits:

Hygienically harmless as defined in Sec. 31, Para. 1 of German Foodstuffs and Essential Commodities Act. Formula according to FDA Guideline 21 CFR 178.3570. Registered by NSF in category H1 under number 135675 for use in food processing technology with occasional, technically unavoidable contact. Long operating times due to suitable additives for good resistance to oxidation and ageing. Resistant to hot and cold water, water vapour, watery-alkaline and acidic disinfectants and cleaning agents. Can be used universally due to good high-temperature properties, long-term lubricating effect and adhesive strength in all areas of food processing, beverage and pharmaceutical industries.

Application:

For highest effectiveness, carefully clean the lubrication point, e.g. with OKS 2610 or OKS 2611 universal cleaner. Before filling for first time, remove anti-corrosion agent. Fill 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 < 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 system. 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 overlubricating 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.

Additional Information:

Packaging (Article number):

- 120 ml CL- Cartridge (00479013)
- 400 g Cartridge (00479019)
- 1 kg Tin (00479034)
- 5 kg Hobbock (00479050)
- 25 kg Hobbock (00479062)
- 180 kg Drum (00479070)

Version:

E-10.1/05

The data in this brochure are the result of extensive testing and experience and meet the latest stage of engineering. Due to the diversity of application possibilities and technical realities they can only be recommendations and are not arbitrarily transferable; thus no obligations, liability or warranty claims can be derived herefrom. We accept liability for the fitness of our products for particular purposes and accept such liability in writing in the individual case. In any event any justified warranty claims shall be limited to the delivery of replacement goods which are free from defect or, in the event that such subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular but without limitation any liability for consequent damage, shall be excluded. Prior to use own testing must be done to prove suitability. The data are subject to change for the sake of technical progress. ® = Registered Trademark



OKS 479 High-Temperature Grease for Food Processing Technology

Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KPF HC 1 P -20
Base Oil				
Type				Polyalfaolefine
Viscosity	DIN 51 562-1	40 °C	mm ² /s	400
	DIN 51 562-1	100 °C	mm ² /s	40
Pourpoint	DIN ISO 3016	3°C step	°C	-34
Flash point	DIN ISO 2592	> 79	°C	280
Thickener				
Type				Aluminium complex soap
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	310 - 340
Flow pressure	DIN 51 805	-35 °C	mbar	< 500
	DIN 51 805	+25 °C	mbar	60
Drop point	DIN ISO 2176		°C	> 240
Oil separation	51 817	168h/40 °C	Mass-%	< 5
Application Data				
Density	DIN EN ISO 3838	+20 °C	g/cm ³	0,93
Colour				light-coloured
Services Temperatures				
Minimum Services Temperature	DIN 51 805	< 1.400 hPa	°C	-25
Maximum Services Temperature	DIN 51 821-2	F ₅₀ (A/1500/600), 100h	°C	160
DN-Value			mm min	350.000
Water resistance	DIN 51 807-1	+90 °C	Grade 1-3	1 - 90
Corrosion Protection Tests				
SKF-EMCOR	DIN 51 802		Corr.-Grade 1-5	0 and 0
SKF-EMCOR, on copper	DIN 51 811	24h/100 °C	Corr.-Grade 1-5	1
Wear Protection Tests				
VBT weld load (Four ball test rig)	DIN 51 350-4		N	2.200
VBT-wear	DIN 51 350-5	1.420 U/min/1 h/800 N	mm	0,7
Releases / Specifications				
Food industry				Acc. §31, Para. 1, LMBG NSF H1 Reg.-Nr. 135675

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