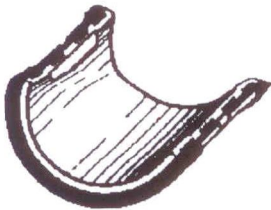
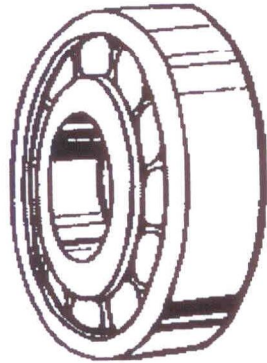
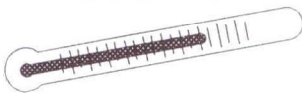


Pegasus KD 460

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300°C



-40°C

High Temperature Grease

MOLYDUVAL Pegasus KD 460 is a heavy - duty lubricant for highest temperatures (in temperature range up to +300°). Pegasus KD 460 is especially used, if conventional hydrocarbon greases or other synthetic greases shows no satisfactory lubrication effect because of decomposition.

Although MOLYDUVAL Pegasus KD 460 is relative expensive the use can be economic, either the lubrication intervals will be increased, partly life time lubrication can be reached, or friction reduction is possible because of using MOLYDUVAL Pegasus KD 460 .

CHARACTERISTICS

- appropriate oxidation stability
- high temperature performance
- excellent low temperature characteristic
- excellent high chemical indolence
- insoluble in all conventional solvents
- resistant against
 - aliphatic hydrocarbons
 - aromatic hydrocarbons
 - chlorinated hydrocarbons
 - fuels, ketones, alcohol, esters
- inflammable
- excellent lubrication characteristics
- radiation resistant
- compatible with metals, plastics, elastomers

APPLICATIONS

- at high temperature bearing grease for oven chains of any kind, transport chains, high temperature oven ventilators, burning protection blowers, as lubricant for valves of balloons
- for lubrication of high temperature bearings at circulation- and turn around rolls at conveyor equipment for hot goods
- for lubrication of valves and seals in hot surroundings
- at radiation influence: MOLYDUVAL Pegasus KD 460 is more essential ionenradiation - stable as most of hydrocarbons, that are used as lubricant or as solyent sealing. A radiation load of 10 million rad that leads to a low depolymerisation of base oil, without changing of colour. For example as lubricant for pump seals and bearings.
- at extreme sealing sensitive: the flourinated MOLYDUVAL Pegasus KD 460 is excellent compatible with sealing
- materials and plastics of machinery industry. For using as lubricant for pump
- seals and bearings, for working with chlorine, as bearing grease for fuel pumps in plains, as sealing for closing ventiles, for working with corrosive chemicals, as lubricant for plasma-etching instruments, as lubricant for water immergant ventiles and bearings

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- for electronic bearings: as grease for computer motives, for lubrication of electronic generators
- for usings space traveling: as bearing grease for plane instruments and as sealing in space travel overalls, for valves of balloons and as bearing grease for fuel pumps in planes

Properties	Specification	Unit	
Name	DIN 51502		KHCPF2R-30
Base Oil			Synthetic Oil
Color			white
Density, 15°C	SEB 181301	kg/m ³	1920
Penetration, worked	DIN ISO 2137	·0,1mm	265-295
Penetration, unworked		·0,1mm	265-295
Consistency class	DIN 51818	NLGI	
Dropping point	DIN ISO 2176		232
Temperature range		°C	-30 -> +260
shortly up to			300
Base Oil			
Viscosity Class	DIN 51519	ISO-VG	460
Viscosity, 20°C	DIN 51562		
Viscosity, 40°C	DIN 51562	mm ² /s	460
Viscosity, 100°C	DIN 51562	mm ² /s	
Viscosity Index	DIN ISO 2909		
Flash Point	DIN ISO 2592	°C	without
Tests			
Working stability (Pen.decrease a. 100000 DH)	DIN ISO 2137	·0,1 mm	<35
Working stability (Pen.decrease a 2h Shell-Roller)	DIN ISO 2137	·0,1 mm	<25
Oil separation	DIN 51817 N	%	4
Evaporation loss	22h/121 C	%	2
Evaporation loss	22h/204 C	%	10
VKA-test wear depth	min/60 min	mm	0.5
VKA-test friction coefficient		--	0.008

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