



## OKS 1133 - Product Information

### Fields of Application:

Lubrication of rolling and friction bearings, as well as other machine elements at medium rotating speeds or sliding speeds in a broad temperature range. For example, electric motors, drives, control systems and telecommunication and navigation systems under arctic conditions, Bowden cables and brake mechanisms in aircraft, sliding parts in shock-freezing systems etc. Lubricating grease for plastic/plastic and plastic/metal pairs and elastomers. For plastic sliding coatings in bridge supports and as a parting agent in plastics processing.

### OKS 1133 Low-Temperature Silicone Grease



### Advantages and Benefits:

Highly effective due to optimum formula. Broad temperature range with a wide range of possible uses. Excellently suited for lubricating plastics and elastomers. Lubricating grease resistant to ageing, especially at low temperatures.

### Application:

For best results, clean lubricant point carefully, e.g. with OKS 2610 or OKS 2611 universal cleaner. Remove the corrosion protection ahead of the initial filling. Fill the bearings in a way that all the functional surfaces for sure get the grease. Slow moving bearings (DN-value < 50.000) should be filled completely, normal moving bearings should be filled to 1/3 of the free inner housing space. Observe the instructions of the bearing or machine manufacturer. Relubrication with a grease gun on to the grease nipples or with an automatic lubrication system. Relubrication intervals and amount to be defined acc. to the service conditions. If the removal of the old grease is not possible the amount of grease has to be limited to avoid excess lubrication of the bearing. At longer relubrication intervals a complete exchange of the old grease is recommended. Only mix with appropriate lubricants. Bearings filled with silicon grease must not have higher loads than 1/3rd of the bearing's permitted load. Silicone-based plastics, e.g. silicone rubber, can be dissolved by silicone grease. Silicone grease must not be applied to sliding surfaces under influence of pure oxygen. For additional questions please contact our Technical Department.

### Additional Information:

Packaging (Article number):  
- 100 g Tube (01133012)  
- 500 g Tin (01133031)  
- 5 kg Hobbock (01133050)  
- 25 kg Hobbock (011330629)

Version  
E-10.1/06

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## Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502	DIN 51 825		KSI2S-70
<b>Base Oil</b>				
Type				Polyphenylmethylsiloxane
Viscosity	DIN 51 562-1	+25°C	mm <sup>2</sup> /s	100
		+40°C	mm <sup>2</sup> /s	80
<b>Thickener</b>				
Type				Lithiumhydroxystearate
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	2
Worked penetration	DIN ISO 2137	60 DH	0,1 mm	265 - 295
Drop point	DIN ISO 2176		°C	> 220
Oil separation	DIN 51 817	168h/40°C	Weight-%	1,6
<b>Application Data</b>				
Density	DIN EN ISO 3838	+20°C	g/cm <sup>3</sup>	0,97
Colour				beige
<b>Service Temperatures</b>				
Minimum service temperature			°C	-73
Maximum service temperature			°C	200
DN- value			mm/min	200.000
<b>Wear Protection Tests</b>				
VBT-weldload (Four ball test rig)	DIN 51 350-4		N	1.200

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