Product Description
ELKALUB GLS 163
Special Grease

GLS 163 is a short-fibrous, green grease of an increased purity and a high resistance to pressure for use in roller and antifriction bearings. The grease has a very thixotropic behaviour, which means, that the penetration values are almost 100 points lower in state of rest (the grease is more solid). This behaviour is of advantage in badly sealed bearings or in bearings with a higher tolerance.

The conveyability of **GLS 163** in central lubrication units is good. The grease does not bleed. Because of the thixotropy, the supply bin must have a follow-up piston to put the grease under pressure. Slight pressure renders the grease immediately flowable.

The fine-granular, partly synthetic grease has a very flexible texture, therefore being ecellently suited for small, perpetually changing alterations of guide motion. In state of rest, the grease regenerates almost to its initial values.

Due to its chemical composition, **GLS 163**, under increased temperatures which can result from exterior or interior conditions, builds up Mos_2. In these cases, Mos_2 takes over the lubrication. The points of lubrication then look grey or black.

Examples for application:
Gripper shafts (also in UV and varnish areas), spindles, badly sealed slow bearings, well-sealed rapid bearings.

Technical data

Chemical composition	Mineral oil, synthetic organic thickener, additives, polytetrafluorethylene	
Tempertaures of use	-20 up to +130° C (short-time +150° C) -20 up to +70° C (for steadily revolving antifriction bearings)	
Worked penetration	290 units +/- 15	DIN ISO 2137
Unworked penetration	180-200 units	
Water resistance	(0-1)-90	DIN 51 807 T1
Dropping point in ° C	c. 250	DIN ISO 2176
Oil separation	K <1; N < 4	DIN 51 817
Density (T)	0,92-0,93	
Base oil viscosity	ISO VG 100	
Pressure resistance on SHELL 4 ball tester	0,38 mm (1000 N, 1 h, 500 min^{-1})	
Corrosion	against copper degree of corr. 1 (DIN 51 811-1-100)	

These data are issued in good faith and reflect our knowledge of today. We reserve the right to modify and/or supplement them.

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