



KETTLITZ-Medialub 3000 K

- technical leaflet -

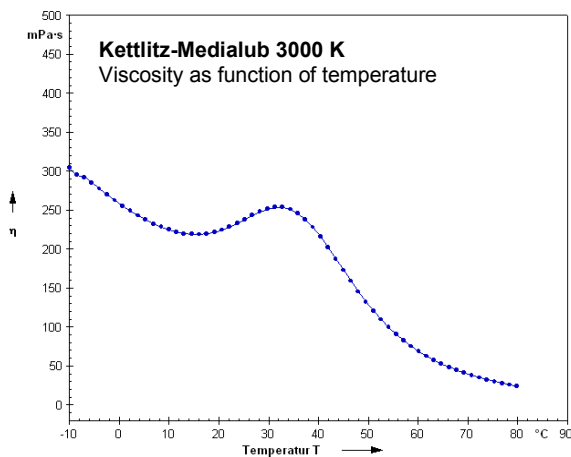


www.blauer-engel.de/uz178

KETTLITZ-Medialub 3000 K is a new, water-based, high-performance lubricant for chainsaws.

KETTLITZ-Medialub 3000 K has been awarded with the “Blue Angel“ according to RAL-UZ 178; further, the usability was tested under professional conditions in forestry work by KWF (The Board of Trustees for Forestry Work and Technology) and evaluated as “very good”.

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Although Medialub 3000 K is based on water, it fulfills the high requirements with respect to cold behaviour in the field of lubricants. Medialub 3000 K remains in the liquid state even at -15 °C . Additionally, at temperatures of -10 °C to 15 °C the viscosity of Medialub 3000 K – in accordance to customary lubricants – is decreasing. Starting from a certain temperature, however, the viscosity of Medialub 3000 K increases again in order to reach

a maximum (see graph). This avoids on the one hand a premature lubricant loss on the chain, especially at high rotational speeds and temperatures. On the other hand, the handling of the lubricant is facilitated at lower temperatures outside. Even at higher temperatures Medialub 3000 K provides a practicable viscosity.

The advantages of Medialub 3000 K are very versatile:

- The intelligent viscosity behaviour results in excellent lubricating properties at improved handling.
- Medialub 3000 K is particularly environmentally friendly. The main component of the product is water. As a result, only a minimum amount of a so-called foreign matter is discharged during the loss of lubrication. Medialub 3000 K does not only protect the environment, but also saves resources of our world.
- All raw materials used to produce the product are environmentally friendly and biodegradable.
- Impurities on the chain as well as on the bar, but also on clothes, are easily washable with water.
- Even after ageing for 1000 hours at 80 °C , no signs of resinification in a conventional manner could be observed.
- Even after a longer downtime of the electric or rechargeable saw, no increased corrosion on chain or other metal parts could be observed when using Medialub 3000 K



Please note:

KETTLITZ-Medialub 3000 K may not be mixed with synthetic or mineral oils as well as lubricants based on vegetable oil, because - in the worst case – clumping of material may occur, which may result in blocking of tubes and pumps!

For the first product changeover from a lubricant based on mineral or vegetable oil to Medialub 3000 K the cleaning recommendations have to be considered absolutely!

Diluting with water is explicitly dissuaded!

In case of tannic acid containing woods (e.g. oak) a discolouration can take place. That discolouration has no effect on the lubricating properties of the product!

**In order to avoid corrosion, it is recommended not to mount the chain guard immediately after finishing the work. This may result in evaporation of water from sword and chain. Alternatively, the sword guard could be equipped with several holes in order to enable evaporation of water.
The chain guard must be mounted for transport necessarily!**

Technical data

Chemical characteristics	Chain lubricant based on water, containing additives
Appearance/delivery form	transparent, brownish liquid
Colour (ASTM D 1500)	approx. 3
Density at 15 °C (g/cm ³)	1,065 ± 0,010
Refractive Index n_D^{20}	1,390 ± 0,010
Viscosity at 40 °C (mm ² /s)	175 ± 10 %
Setting point (C°) DIN 51 583	approx. - 15 °C
Cold behaviour 100h/-15°C	liquid
Physiol. behaviour	see safety data sheet
Storage stability	2 years under suitable storage conditions
Packing	cans: 1 liter, 5 liter or 20 liter drums: 60 liter or 200 liter container: 1000 liter