

Klübersynth V 64-300

Synthetic lubricating grease for drinking water taps



Your benefits at a glance

- fully synthetic special lubricating grease for hot and cold water taps
- especially suitable for spindle heads containing NBR elastomers
- approved for drinking water applications
- complies with Euro standard DIN EN 200
- high load-carrying capacity and excellent wetting properties

Your requirements - our solution

Klübersynth V 64-300 is a special lubricating grease based on a synthetic oil with a low content of silicone oil and an inorganic thickener.

This product complies with the BWGL-KTW (UBA-guideline) and it has a high load-carrying capacity and excellent wetting properties.

With more than 500 000 load cycles at a closing force of 2.5 Nm, Klübersynth V 64-300 reveals its excellent lubricating properties on the test rig for head parts based on Euro standard DIN EN 200 (required endurance: 200 000 load cycles).

Klübersynth V 64-300 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. The lubricant was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed

industries. The use of Klübersynth V 64-300 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klübersynth V 64-300 is suitable for the lubrication of all friction points subject to mechanical load in spindle heads, check and control valves in hot water equipment, such as flow heaters, and in thermostatic valves used in radiators.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes | Klübersynth V 64-300 |
|--------------|----------------------|
| Can 1 kg | + |
| Bucket 25 kg | + |

| Characteristics | Klübersynth V 64-300 |
|--------------------------------------|--------------------------------|
| Article number | 012146 |
| Colour space | brown |
| Texture | fibrous , homogeneous |
| Service temperature, lower limit | -10 °C |
| Service temperature, upper limit | 100 °C |
| NSF H1 registration number | 144017 |
| Density, Klüber method: PN 024, 20°C | approx. 0.85 g/cm ³ |

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| Characteristics | Klübersynth V 64-300 |
|---|-------------------------------|
| Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit | 380 0.1 mm |
| Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit | 420 0.1 mm |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit | 8000 mPas |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit | 20000 mPas |
| Copper corrosion, DIN 51811, 24 h, 100°C | 1 - 100 - 24 corrosion degree |
| Dropping point, DIN ISO 2176 / IP 396 | ≥ 220 °C |
| Water resistance, DIN 51807-1, 3 h, 90°C | ≤ 1 - 90 rating |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 24 months |

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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