

AL-H High-Performance Grease



High-temperature grease | odourless and tasteless | NSF registration

WEICON AL-H is suitable for rolling bearings, sliding bearings, joints, spindles, spline shafts and linear guidance systems at all sliding speeds permitted for grease lubrication. WEICON AL-H is particularly suited for usage in the food technology.

Technische Daten

Short description		KPHC 1P -40
Consistency classification	DIN 51818	NLGI grade 1
Base		Aluminium-complex soap / polyalphaolefin
Colour		pale yellow, transparent
Density	(+20°C) DIN 51757	0,93 g/cm ³
Four ball weld test property load	DIN 51350	1.700 N
Four ball weld test weld load	DIN 51350	1.800 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,6 N
Rotation speed parameter		400.000
Cone penetration	DIN ISO 2137	310 - 340 1/10 mm
Water resistance	DIN 51807	1 - 90
Heat capacity	DIN EN ISO 22007-4	1,838 J/(g·K)
Thermal conductivity		0,394 W/m·K
Dielectric strength	DIN EN 60243-1 (20°C)	29,6 kV/mm
Dripping point	IP 396	> 200 °C
Kinematic viscosity (40 °C)	DIN 51 562	400 mm ² /s
Kinematic viscosity (+100 °C)	DIN 51 562	40 mm ² /s
EMCOR-corrosion test	DIN 51 802	1 / 1
Complies with		NSF-H 1, LFGB § 31 a. § 21
Temperature conductivity		0,23 mm ² /s
ISSA Code		53.052.20/21
Temperature resistance		-40°C to +160°C
IMPA Code		450439/40
Shelf life		24 mon.

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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Surface pre-treatment

First clean the surface to be lubricated with WEICON Cleaner S, depending on the degree of soiling. If screws have already been used, process with the wire brush and clean with WEICON Cleaner S.

Processing

Apply AL-H evenly.

Storage

Store in tightly closed original container. Do not store with oxidising agents. Keep container tightly closed and store in a cool, well-ventilated area. Recommended storage temperature: Room temperature.

Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes:

- 26500012 AL-H High-Performance Grease, 120 g, pale yellow, transparent
- 26750100 AL-H High-Performance Grease, 100 g, pale yellow, transparent
- 26500010 AL-H High-Performance Grease, 10 g, pale yellow, transparent
- 26500040 AL-H High-Performance Grease, 0,4 kg, pale yellow, transparent
- 26500100 AL-H High-Performance Grease, 1 kg, pale yellow, transparent
- 26500925 AL-H High-Performance Grease, 25 kg, pale yellow, transparent
- 26500500 AL-H High-Performance Grease, 5 kg, pale yellow, transparent