AL-H High-Performance Grease

Nonfood Compounds Program Listed **H1** Registration **136174**

High-temperature-resistant | 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.

Technical Data

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/cm³
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 mm
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 mm²/s
Kinematic viscosity (+100 °C)	DIN 51 562	40 mm²/s
EMCOR-corrosion test	DIN 51 802	1 / 1
Complies with		NSF-H 1, LFGB § 31 a. § 21
Temperature conductivity		0,23 mm²/s
Temperature resistance		-40°C to +160°C
Shelf life		24 mon.

Approvals / Guidelines

ISSA Code	53.052.20/21
IMPA Code	450439/40

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.

Instructions for use

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

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AL-H High-Performance Grease

Available sizes

10034289	AL-H High-Performance Grease, 120 g, pale yellow, transparent
10035227	AL-H High-Performance Grease, 100 g, pale yellow, transparent
10051462	AL-H High-Performance Grease, 10 g, pale yellow, transparent
10016761	AL-H High-Performance Grease, 0,4 kg, pale yellow, transparent
10016763	AL-H High-Performance Grease, 1 kg, pale yellow, transparent
10016769	AL-H High-Performance Grease, 25 kg, pale yellow, transparent
10016766	AL-H High-Performance Grease, 5 kg, pale yellow, transparent

Conversion table

(°C x 1.8) + 32 = °F
mm/25.4 = inch
µm/25.4 = mil
N x 0.225 = lb
N/mm^2 x 145 = psi
MPa x 145 = psi
Nm x 8.851 = lb·in
Nm x 0.738 = lb·ft
Nm x 141.62 = oz·in
mPa·s = cP
N/cm x 0.571 = lb/in
kV/mm x 25.4 = V/mil

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