

AL-F High-Performance Grease



Allround product | NSF-registration

WEICON AL-F can be used to lubricate rolling and sliding bearings, joints, levers, sliding guides, spindles, spline shafts, camshafts, open gears, worm gears and all grease lubrication points. Thanks to its NSF registration, the grease can also be used in the food industry.

Technical Data

Short description	KF 2K -30	
Consistency classification	DIN 51818	NLGI grade 2
Base	Lithium soap / mineral oil	
Density	(+20°C) DIN 51757	0,9 g/cm ³
Four ball weld test property load	DIN 51350	3.400 N
Four ball weld test weld load	DIN 51350	3,6 N
Four ball weld test calotte value	DIN 51350 (1min/1000N)	0,8 mm
Rotation speed parameter	350.000	
Cone penetration	DIN ISO 2137	280 ± 15 1/10 mm
Water resistance	DIN 51807	1 - 90
Heat capacity	DIN EN ISO 22007-4	1,832 J/(g·K)
Thermal conductivity	0,524 W/m·K	
Dielectric strength	DIN EN 60243-1 (20°C)	7,8 kV/mm
Dripping point	IP 396	> 190 °C
Kinematic viscosity (40 °C)	DIN 51 562	100 mm ² /s
Kinematic viscosity (+100 °C)	DIN 51 562	9 mm ² /s
EMCOR-corrosion test	DIN 51 802	0 / 0
Complies with	NSF-H 2, LFGB § 31 a. § 5	
Temperature conductivity	0,317 mm ² /s	
Temperature resistance	-30°C to +120°C	
Shelf life	24 mon.	

Approvals / Guidelines

ISSA Code	53.052.30/31
IMPA Code	450441/42/43

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-F 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.

Available sizes

10016772	AL-F High-Performance Grease, 200 kg
10016775	AL-F High-Performance Grease, 0,4 kg
10016777	AL-F High-Performance Grease, 1 kg
10016781	AL-F High-Performance Grease, 5 kg
10016784	AL-F High-Performance Grease, 25 kg
10017674	AL-F High-Performance Grease, 0,3 kg
10034481	AL-F High-Performance Grease, 120 g

Conversion table

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

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.

WEICON Middle East L.L.C.
United Arab Emirates
phone +971 4 880 25 05
info@weicon.ae

WEICON Czech Republic s.r.o.
Czech Republic
phone +42 (0) 417 533 013
info@weicon.cz

WEICON GmbH & Co. KG
(Headquarters) Germany
phone +49 (0) 251 9322 0
info@weicon.de

WEICON Romania SRL
Romania
phone +40 (0) 3 65 730 763
office@weicon.com

WEICON South East Asia Pte Ltd
Singapore
Phone (+65) 6710 7671
info@weicon.com.sg

WEICON Inc.
Canada
phone +1 877 620 8889
info@weicon.ca

WEICON Ibérica S.L.
Spain
phone +34 (0) 914 7997 34
info@weicon.es

WEICON Italia S.r.l.
Italy
phone +39 (0) 10 2924 871
info@weicon.it

WEICON SA (Pty) Ltd
South Africa
phone +27 (0) 21 709 0088
info@weicon.co.za

WEICON Kimya Sanayi Tic. Ltd. Şti.
Turkey
phone +90 (0) 212 465 33 65
info@weicon.com.tr