

AL-W High Performance Grease



special lubricant for underwater applications

AL-W high performance grease is a special lubricant and corrosion protection which can also be used for underwater applications. WEICON AL-W offers effective protection against aggressive liquids such as sea or wastewater, both in the maritime sector and in wet plants.

WEICON AL-W is suitable for rolling and sliding bearings even in mixed friction operation, for joints, levers, sliding guides, spindles, spline shafts, open gears, worm gears, chains and wire cables and at all sliding speeds permitted for grease lubrication.

Technical Data

Abbreviation (DIN 51502)	KPL 1-2 E -25
Consistency assignment (DIN 51818)	NLGI-Class 1-2
Base	Spec. calcium soap / mineral oil
Colour	beige
Density at +20°C (+68°F) (DIN 51757)	0,94 g/cm ³
VKA-TEST (DIN 51350) welding load	0,7 N
VKA-TEST (DIN 51350) goods load	3.200 N
VKA-TEST (DIN 51350) Spherical cap value (1Min/1000N)	3.400 mm
Speed identifying value	350.000
Worked penetration (DIN ISO 2137)	285 - 315 1/10 mm
Water resistance (DIN 51807)	0 - 40
Specific heat transfer capacity (20°C)	1,762 J/(g·K)
Thermal diffusivity (20°C)	0,296 mm ² /s
Thermal conductivity (ISO 22007-4) (20°C)	0,494 W/m·K
Dielectric strength (DIN EN 60243-1) (20°C)	9,5 kV/mm
Drop Point (IP 396)	> 100 °C
Kinematic viscosity (DIN 51562) at +40°C	100 mm ² /s
Kinematic viscosity (DIN 51562) at +100°C	9 mm ² /s
Salt spray test with separate protective layers	no corrosion

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.

EMCOR corrosion test (DIN 51 802)	0 / 0
Conforms to	Federal German Armed Forces TL 9150-0066, NATO specification G-460
Storage stability	24 months
Temperature resistance	-25 to +80 °C
ISSA-Code	53.052.10/11
IMPA-Code	450437/38

Surface pre-treatment

Clean surfaces.

Processing

Apply AL-W evenly.

Storage

Keep in closed original container. Do not store together with oxidizing agents. Keep container tightly closed and store at cool and ventilated place. 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:

26450040	AL-W High Performance Grease 400 g
26450100	AL-W High Performance Grease 1.0 kg
26450500	AL-W High Performance Grease 5.0 kg
26450925	AL-W High Performance Grease 25.0 kg

Accessories:

10953001	Processing Spatula, short
10953003	Processing Spatula, long

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