

高效润滑脂AL-W



特殊润滑剂 适用于水下

WEICON AL-W 一款特殊的润滑剂，能有效防止如海水、废水等腐蚀性液体的侵蚀，适用于海事工业及潮湿作业。

AL-W 适用于混合摩擦操作下的滚轧和滑动轴承，以及所有允许使用油脂润滑的工况，如接头、杠杆、滑道、主轴、花键轴、开式齿轮装置、螺旋齿、链条和线缆等。

技术参数

缩写 (DIN 51502)	KPL 1-2 E -25
稠度(依据 DIN 51818)	NLGI-第1级-2
基础成分	专用钙皂/矿物油
颜色	米黄色
温度+20°C (依据 DIN 51757)时的密度	0,94 g/cm ³
四球摩擦实验(依据 DIN 51350) 烧结负荷	0,7 N
四球摩擦实验(依据 DIN 51350) 最大无卡咬负荷	3.200 N
四球摩擦实验(依据 DIN 51350) 球冠值(1Min/1000N)	3.400 mm
转速比	350.000
润滑脂的锥体针入度 (DIN ISO 2137)	285 - 315 1/10 mm
防水性(依据 DIN 51807)	0 - 40
比热容(20°C)	1,762 J/(g·K)
热扩散率(20°C)	0,296 mm ² /s
热传导率(ISO 22007-4) (20°C)	0,494 W/m·K
介电强度(DIN EN 60243-1)(20°C)	9,5 kV/mm
滴点 (IP 396)	> 100 °C
运动粘度 (+40°C DIN 51562)	100 mm ² /s
运动粘度 (+100°C DIN 51562)	9 mm ² /s
盐雾测试	无腐蚀
EMCOR-腐蚀测试 (DIN 51 802)	0 / 0
符合	联邦德国武装部队TL 9150 – 0066, 北约规范G - 460

提示
本资料中列出的所有产品，其参数和建议是在实验室的测试结果及经验总结，不得被视为对产品特性的保证。由于每一个用的实际应用情况并不在我们的认知、控制及责任范围内，我们对这些信息并不承担任何义务。我们保证我们的产品符合并遵守我们销售条款中承诺的高品质、无瑕疵的要求。我们建议用户通过自行试验来论证其希望选用的产品是否完全符合预期。因用户未遵照指定的操作方法使用产品而造成损失的情况，用户将独自承担全部责任。

保存期限	24 个月
耐温性	-25 至 +80 °C
ISSA 编码	53.052.10/11
IMPA 编码	450437/38

表面预处理
进行表面清洁。

操作
均匀涂抹 AL-W。

储藏

原包装密封保存。勿与氧化剂共同存放。将产品密封保存于阴凉、通风的地方。建议储藏温度：室温。

安全与健康

使用WEICON产品时，需注意产品的物理性、安全性、毒性、生态性的详细参数以及我们EG材料安全数据表 (www.weicon.com) 的具体信息。

包装

26450040	高效润滑脂AL-W 400 g
26450100	高效润滑脂AL-W 1,0 kg
26450500	高效润滑脂AL-W 5,0 kg
26450925	高效润滑脂AL-W 25,0 kg

产品配件

10953001	处理抹刀, 短
10953003	处理抹刀, 长

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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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