

AL-M High Performance Grease



long-life grease with MoS2 strong adhesion and high pressure resistant

WEICON AL-M reduces friction and wear for a long time and is suited for rolling and slide bearings, joints, levers, sliding guides, spindles, camshafts, spline shafts, springs, open gears, worm gears and at all sliding speeds permitted for grease lubrication.

Technical Data

Abbreviation (DIN 51502)	KF 2 K -20
Consistency assignment (DIN 51818)	NLGI-Class 1
Base	Li/Ca soap / MoS2 / mineral oil
Colour	black
Density at +20°C (+68°F) (DIN 51757)	0,92 g/cm ³
VKA-TEST (DIN 51350) welding load	3.000 N
VKA-TEST (DIN 51350) goods load	3.200 N
VKA-TEST (DIN 51350) Spherical cap value (1Min/1000N)	0,5 mm
Worked penetration (DIN ISO 2137)	265 - 295 1/10 mm
Water resistance (DIN 51807)	1 - 90
Specific heat transfer capacity (20°C)	1,766 J/(g·K)
Thermal diffusivity (20°C)	0,303 mm ² /s
Thermal conductivity (ISO 22007-4) (20°C)	0,491 W/m·K
Dielectric strength (DIN EN 60243-1) (20°C)	11,5 kV/mm
Drop Point (IP 396)	> 170 °C
Kinematic viscosity (DIN 51562) at +40°C	185 mm ² /s
Kinematic viscosity (DIN 51562) at +100°C	14 mm ² /s
EMCOR corrosion test (DIN 51 802)	0 / 0
Storage stability	24 months
Temperature resistance	-20 to +120 °C
ISSA-Code	53.052.01/02
IMPA-Code	450435/36

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.

Surface pre-treatment

Clean surfaces.

Processing

Apply a good quantity of Assembly Paste with a brush, cloth or plastic sponge. On threads it is important that Assembly Paste is applied down to the thread root to ensure a good sealing effect. Assembly Paste must not be mixed with greases or oils to avoid changes in the material characteristics. WEICON Assembly Pastes do not replace oil or grease lubrication.

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:

26400040	AL-M High Performance Grease 400 g
26400100	AL-M High Performance Grease 1.0 kg
26400500	AL-M High Performance Grease 5.0 kg
26400925	AL-M High Performance Grease 25.0 kg

Accessories:

10953001	Processing Spatula,
10953003	Processing Spatula,