



MOLECULAR - LUBRICANT®

THE THIRD GENERATION LUBRICANT MG1 WITH MOLECULAR STRUCTURE

DESCRIPTION

Universal grease based on mineral oil non containing solid lubricant. Metal preventing heavy loading components create on abrasive surfaces almost immediately highly sliding and firm protecting film for extreme heavy (3150 N) and minimum abrasion (0,6 mm). Very good tenacity, stability at high turns, (DN 500 000). An excellent anticorrosive protection.

It markedly declines lubricating cycles, noisiness therefore cuts the costs.

Compatible with „O“ and „X“ rings.

The greatest usage is where standard lubricants don't meet the required parameters (pressure, temperature, humidity, turns, etc.). It guarantees layer with constant thickness and homogenous appearance. Without SILICON.

MG 1 is mainly designed for application in engineering and agricultural industry where is used as cohesive, water and pressure resistant multifunctional lubricant.

MG 1 is recommended for lubricating in demanding plants, humid plans and where is the possibility of direct contact with water. It is compatible with most of the plastics, elastomers and rubbers .

Typical usage

Anti-friction bearing, friction bearing, sliding circuits, roller-bearing linear circuits, joints, screw spindles, profiles with spline. On metal/metal it operates even at the presence of humidity. Lubricating of crane chassis, lifting mechanisms, lorries etc. Due to an extreme water resistance, under water resistance (even salted) we recommend *MG1 AQUA*.

CHARACTERISTICS

- additive lubricant
- excellent frictional, service temperature and abrasion resistance
- declines lubricating cycles
- extremely load-carrying capacity even at higher turns
- levelling off slightly disturbed sliding surfaces
- inclination to oxidation, particularly suitable for long term lubricating
- scratching protection
- anti corrosive protection
- adhesive – very cohesive
- does not spatter from the surface even at high turns (DN 500 000)
- temperature and chemical corrosive protection
- no curing or carbonisation

TECHNICAL DATA :

Colour : yellow – beige
Compound : mineral oil, lithic lubricating grease, anti corrosive additives, PE- additives

Consistence, class NLGI : 2
Penetration after mixing, mm/10 : 265-295 steady , 285-315 1000
Density at 20°C, g/ml : 0. 891
Basic oil viscosity at 40°C , mm²/s : 150

Temperature range, usage, : -20 až +170
Drop point, °C : 250

4balls SHELL 4, wear :3150
Characteristic value abrasion 800 N, mm : 0.6
Speed, DN-value, mm/min : 500 000

Test – copper plate corrosion 24 h at 100°C , ASTM D 4048 : 1a
Test anticorrosive EMCOR, NF T 60 135 : 0 - 1

Storage:

If sotred at temperature lower than °C in original unopened package, the service life is 30 months since production.

Method of usage:

Clean contact parts, remove old lubricant with degreaser S 1960. Apply on the surface with the help of brush, spattles, grease guns or by automatic lubricating equipment used in facilities with centralised lubrication.

PACKAGE:

CAN : 350 G
SCOOP : 5, 25, 50 KG

Mentioned values are average and do not represent specification.

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