



## Grease Lithium EX7 2

**High efficiency grease intended for mechanisms operated in a wide range of temperatures as well as long life operation**

### **Description**

Grease Lithium EX7 2 has been formulated to offer a solution for various lubrications problems when working at temperatures between -55 and 150 °C. Grease Lithium EX7 is capable of working without losing lubricating capacity, maintaining a lubricating film that avoids friction even when operating under severe conditions. Grease Lithium EX7 2 is formulated with a lithium soap and synthetic base oil. The additive package improves the lubricating capacity significantly, mainly at low temperatures. The high viscosity index base oil with the lubricant provides the product with a correct apparent dynamic viscosity at both low and high temperatures. The variation in temperature is low and its resistance to aging secures a life long lubrication. At low temperatures, a conventional lubricant would experience a too high viscosity increase which would

make the grease stiff. With high temperatures a significant decrease of viscosity would be seen and consequently provoke a high reduction of the lubricating capacity. Then wear problems, bearing and mechanisms breakage would appear, resulting in unnecessary downtime.

### **Applications**

Grease Lithium EX7 2 can work in a wide range of speeds, as well perfectly suitable in medium and high speed operations  $FV=8 \times 10^5$ .

### **Performance level**

Grease Lithium EX7 2 meets and exceeds:

- TLW 778A (Volkswagen)
- NES M-5009 NLT-2 type (Nissan)
- S/DIN 51825: K2P-50
- S/ISO 6743-9: L-XEDEA 2

All performance data on this Technical Data Sheet are indicative only and can vary during production

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## Typical performance data

Colour	Light brown
Thickener, soap type	Lithium
Base oil nature	Synthetic
Base oil viscosity	
• @ 40 °C, cSt	32
• @ 100 °C, cSt	5,9
Worked penetration @ 60 W, x 0,1 mm	265-295
Worked penetration @ 105 W, x 0,1 mm	340
NLGI class	2
Dynamic viscosity @ 25 °C, mPas	2500-4500
Dropping point, °C	180
Flow pressure @ -35 °C, mbar	450
Water resistance, 90 °C	1
Oxidation stability, bar	-0,55
Evaporation loss 100 °C, %	1,0
Copper strip corrosion, 24h / 100 °C	1b
Oil separation, 7 days / 40 °C, %	5
EMCOR corrosion test	1
Service temperatures, °C	-55 – 150

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