

## MAXIGRAS COMPLEX SP 32

Pg. 1 of 2

### DESCRIPTION:

100% synthetic grease specifically designed to operate at low temperatures and/or high revolutions.

### APPLICATIONS:

- A bearing and bushing grease subjected to all types of loads and/or significant wear, particularly for parts operating in extreme rotation speed conditions.
- Mechanical parts subjected to extremely low temperatures, such as in cooling tunnels, cold storage chambers, etc.
- Smooth precision and robotic bearings, guides and sliders.
- Specifically indicated for oil-resistant metal-plastic, plastic-plastic and metal-rubber contact.
- Open plastic gears and bearings in household appliances, manual tools, etc. (subject to analysis of the type of plastic).
- Suitable for centralised lubrication systems with consistent greases.

### PROPERTIES AND ADVANTAGES:

- **Excellent performance at low temperatures.** The technology used in the thickener enables this product to reduce friction coefficients and provides excellent pumpability in cold temperatures of up to -50 °C.
- **Good resistance to atmospheric moisture and washing with water.**
- **Excellent protection** against wear, corrosion and oxidation.
- **Long-life properties**, suitable for greasing for life and parts that are hard to reach/regrease.
- **Operating temperature from -50 °C (-58 °F)** in static or low speed lubrication conditions, and a maximum of +160 °C (+320 °F) at medium-high rotation speeds and peaks of up to +140 °C (+284 °F) in static lubrication.
- Its advanced formulation **also prevents the product from hardening** like conventional greases.
- **Stable in relation to mechanical work and vibrations**, including in the presence of water contamination.

### SPECIFICATIONS / QUALITY LEVEL:

CLASSIFICATION / GRADE	NLGI 2	NLGI 2/3
DIN 51502	KPHC2N-50	KPHC2N-50 KPHC3N-50
ISO 6743/9	L-XEDEB-2	L-XEDEB-2/3



Heavy loads



Low temp



High rpm



**BEIGE  
COLOR**

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Pg. 2 of 2

### TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Consistency (NLGI Grade)	DIN 51818	2 - 2/3
Thickener (Nature)	-- --	Complex organic thickener
Colour	Visual	Beige
Base oil (ISO viscosity grade)	ISO 3448	32
Dropping point, °C (°F)	ASTM D-566	> 280 (536)
Water resistance, 3h, 90 °C (194 °F)	DIN 51807	1
4-ball EP test (kg), welding load	IP-239	> 200
4-ball Wear Test, scare (mm)	ASTM D-2266	< 0.35
Speed factor, n·dm (mm x min <sup>-1</sup> )	-- --	1,000,000
Fluidity at -50 °C (hPa)	DIN 51805	≤ 1400
Operating temperature (°C)		-50 to 160 (140 at extreme speeds)

*Note: These data represent average values after different tests. Given the wide variety of operating conditions, they do not constitute a basis for specifications. Olipes SL reserves the right to modify the indicated data without prior notice.*

### PACKAGING:

5L bucket, 20L pail and 50L and 200L drums.

*"Packaging" refers to the standard capacities of the packages. The net quantity of packed product may vary according to the type of grease and the raw material used, and it is recorded on each batch of packaging.*