Olipes
The Professionals' Lubricants

HEADQUARTERS – FACTORY
P. E. Borondo – Aluminio 2-3
28510 Campo Real (Madrid) - Spain

SPAIN - PORTUGAL:
0034 918 765 244
0034 918 733 886
comercial@olipes.com
clientes@olipes.com

OTHER COUNTRIES:
0034 918 765 603
0034 918 733 886
export@olipes.com
exportation@olipes.com

MAXIGRAS 102 SERIE

PRESENTATION:

Lubricating grease formulated with the latest generation Calcium Sulphonate Complex thickener and high viscosity oil. Specially designed to work in all types of mechanisms under extreme situations.

APPLICATIONS:

Lubrication of bearings, joints, splined shafts, drive shafts, chains, guides, couplings, gears, etc., and generally any mechanism working under the most severe conditions of loads and vibrations, even in the presence of aggressive humid, saline and alkaline environments, as well as at very high temperatures.

-Pellet pulverisers.
-Rolling mills in the steel industry.
-Paper and textile industry.
-Public works, construction, mining, cement...
-Naval sector,
-Etc.

MAXIGRAS 102 is available in different grades of hardness (NLGI consistencies):
-Grade 2 is the usual grade for manual greasing and centralised greases that allow the use of greases of this grade 2 consistency.
-Grade 1.5 is used in centralised lubrication systems that allow the use of grade 2 greases, but which due to their special configuration (length, elbows, pipe diameter, etc.) require a slightly higher fluidity.
-Grade 1 is used in centralised and manual greasing systems where softer greases are required. This grade is preferred for dished tooth couplings.
-Grade 0 is recommended for cables, chains and gears on ship decks and harbour machinery, as well as for grease lubricated closed sump gears and centralised greasing with very fluid greases.

PROPERTIES:

- Excellent performance under extreme conditions and shock loads. High EP capacity.
- Protection against corrosion and oxidation.
- High resistance to washing in hot and cold water, both fresh and salt water.
- Excellent adhesion, high resistance to dripping/runoff.
- Excellent pumpability at low temperatures.
- Thanks to its complex thickener technology, it offers a high capacity for continuous work at high temperatures, providing an excellent consistency recovery on cooling.
- Excellent mechanical resistance to continuous stress, minimal consistency changes.

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SPECIFICATIONS:

CLASSIFICATION / GRADE	NLGI 2	NLGI 1.5	NLGI: 1	NLGI: 0
DIN 51502	KP2R-20	KP1.5R-20	KP1R-20	KP0R-30
ISO 6743/9	L-XBFIB-2	L-XBFIB-1.5	L-XBFIB-1	L-XCFIB-0
AGMA 9001-B97	CG-1 / CG-2			

PHYSICAL-CHEMICAL CHARACTERISTICS:

CHARACTERISTICS	STANDARD	VALUE			
Consistency (NLGI Grade)	DIN 51818	2	1.5	1	0
Type of thickener	ASTM D218	Calcium Sulphonate Complex			
Nature of base oil	ASTM D218	Mineral			
Kinematic viscosity at 40°C of the base oil, cSt	ASTM D445	550			
Colour	Visual	Brown			
Dropping point, °C (°F)	ASTM D-2265	≥ 270 (+518)			> 250 (+482)
Worked penetration (60 strokes) @ 25°C, x 0.1 mm	ASTM D217	265-295	295-310	310-340	355-385
Loss of penetration: After 105 strokes, 25°C, (77°F), points	ASTM D217	-10/ +45			
Loss of grease penetration with 10% water: After 105 strokes, 25°C, (77°F), points	ASTM D217	-10/+45			
Copper corrosion, 100°C, 24h, max.	ASTM D-4048	1b			
EP Test, 4 Balls, welding (kg)	IP-239	>400			
Wear Test, 4 balls (40 Kg/1200 rpm/75°C/1h), Footprint (mm)	ASTM D-2266	≤0.4			
Application temperatures in service, °C		-20 to +180			-30 to +180

Note: These data represent average values after different tests. Given the wide variety of operating conditions, they do not constitute a basis for specifications.

PRESENTATION:

400 g, 5 L and 20 L cans, 50 L and 200 L drums.