

MAXIGRAS 3000 BBO/1-0

Pg. 1 of 2

DESCRIPTION:

MAXIGRAS 3000 BBO/1-0 is a fluid, biodegradable lubricating grease formulated with selected bases of vegetable origin, for the lubrication of railroad switch or set of points, rail or track flanks (FLS) on curves* and wheel flanges in railway systems.

MAXIGRAS 3000 BBO/1-0 features excellent rail flank adherence, good resistance to washing with water, Extreme Pressure load (EP) and anti-wear (AW), high levels of biodegradability and excellent pumpability, including at low temperatures (up to -40 °C), and can be applied both manually and using automatic high and low pressure lubrication systems, in a wide range of temperatures.

APPLICATIONS:

- Specifically recommended for the lubrication of railroad switch or set of points, rail or track flanks (FLS) on curves* and wheel flanges in railway systems.
- Lost-oil lubrication of farming and construction machinery.
- Gardening equipment and forestry machinery.
- Greasing of wire ropes and drag chains in port machinery.
- Sewage treatment plants.
- Gates and shaft valves in shipyards, marshes, dams and hydroelectric plants.
- General greasing of machinery operating in areas with the potential risk of contamination of aquifers, environmentally protected areas, leisure areas, ...

PROPERTIES:

- Biodegradable.
- Operating temperature from -30 °C to +120 °C (-22 °F to +248 °F).
- Excellent resistance to water. Good resistance to washing with hot and cold water.
- High extreme pressure (EP) and anti-wear (AW) capacity.
- Excellent adherence, unctuousness and lubricity.
- Heavy protection against corrosion and oxidation.

SPECIFICATIONS / QUALITY LEVEL

CLASSIFICATION / GRADE	NLGI 0/1
DIN 51502	KPOK-30 KP1K-30
ISO 6743/9	L-XCCEB-0/1



Water
Resistant



Vibrations



High loads



Multi-purpose



BEIGE COLOR

MAXIGRAS 3000 BBO/1-0

Pg. 2 of 2

TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
NLGI grade	DIN 51818	0/1
Colour	-	Beige
Dropping point, °C (°F)	IP 396	> 200 (+392)
Base oil viscosity, 40 °C (104 °F) cSt	ASTM D-445	100
Water resistance, 90 °C, (194 °F) Variation	DIN 51807	1
Corrosion protection	ASTM D-1743	Approved
Corrosion of copper, 24h, 100 °C (212 °F)	ASTM D-130	1b
4-ball wear test, mm	ASTM D-2266	< 0.5
4-ball EP test, welding, kg	ASTM D-2596	> 700
Operating temperature, °C.	ASTM D-217	-30 °C to +120 °C
Loss of penetration: after 10 ⁵ strikes, 25 °C, (77 °F), points	ASTM D-217	+15
Loss of penetration: after 10 ⁵ strikes, 25 °C, (77 °F) (10% water), points	ASTM D-217	+16

HOW TO USE:

- Applied using traditional manual greasing systems and automatic low and high pressure lubrication systems.
- In the case of manual greasing, apply using a brush, roller or grease scraper, directly on the surface to be greased.
- Easy to pump using manual and battery pumps guns and pumps.

PACKAGING:

20L pail and 200L drum.

***MAXIGRAS 3000 BBO/1-0 is not suitable for railway acoustic attenuation systems (RAAS). Also available with solid anti-friction additives: MAXIGRAS 3000 BBO/1-0 MoS₂.**

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