



AMALIE GRASA MULTIFUNCIONAL

Multifunctional EP grease improved by the plastic deformation of its microadditives and formulated for lubrication under harsh mechanical conditions and high cadences in the frequency of lubrication.

Free of fillers, fillers and heavy metals.

Applications

AMALIE MULTIFUNCTIONAL GREASE is applied in all types of bearings working with heavy loads, vibrations or in the presence of moisture. In plain bearings, even yellow alloys, working with heavy loads or partial rotation with wear by abrasion. To protect against the development of vibro-corrosion or the accelerated wear of bearings and grooves in Cardan type drives and grooved joints with high torque. Lubrication in rolling mills or calenders by means of sliding pads. Sealing gasket in bearings exposed to humidity and / or external contamination, lubrication and anticorrosive protection of construction struts, beams, metal posts driving, etc

Properties and advantages

It ensures economic maintenance by reducing costs by mechanical or lubrication interventions.

High anti-wear, anti-corrosive, antioxidant and anti-rust power.

High adhesion and smoothness

Excellent pumpability for use with gun and centralized greasing

Excellent resistance to fresh water, salt water and water vapor.

Excellent control of oil bleeding at high temperatures.

Suitable to work in the presence of water. It shows great stability in humid environments.



Specifications / Quality level

Consistency / Grad0 NLGI	2
DIN 51502	KP2N-30
ISO 6743/9	L-ISO-L-XCDEB-2

Keep in a closed container, in a dry and cool place (not exposed to the direct action of the sun) to ensure its good state of preservation. Consume within 24 months (approx.) From its manufacturing date.

Datos técnicos

Características fisicoquímicas	Norma	Valor
Consistency (NLGI Grade)	DIN 51818	2
Thickener		Organic
Color	Visual	Light brown
Viscosity grade (ISO viscosity grade)	ISO 3448	100
Dropping point °C (°F)	ASTM D-2265	≥220 (428)
Corrosion to copper, 100°C, 24h, max	ASTM D-4048	1a
Emcor Corrosión	DIN 51802	0/0
Fluidity at -30°C (hPa)	DIN 51805	1386
Water resistance, 3h, 90°C (grade)	DIN 51807	1
4-ball EP test, welding (kg)	ASTM D-2596	≥400
4-ball wear test, scar (mm)	ASTM D-2266	<0,5
Loss of penetration: after 105 hits, 25°C, (77°F), points	ASTM D-217	≤+20
Loss of penetration:After 105 strokes, 25°C, (77°F) % with 10% water	ASTM D-217	≤+20
Working temperatures in service, °C * They can reach temperature peaks up to +165°C. Maximum application temperature, recommended for bearings depending on the speed factor.		-30°C to +140°C

*Depending on the relubrication conditions of the system and the service conditions

The information contained in this Product Data Sheet is based on the experience and knowledge of Amalie Petroquímica in the development and manufacture of lubricants and on the data provided by vehicle and machinery manufacturers. The performance of our products can be affected by a number of factors, in particular, the specific application, the method of application, the operating conditions, the condition of the mechanical elements lubricated before application, external contamination, etc.

For this reason, valid declarations or universal recommendations about the functionality of our products are not possible. The information contained in this document represents general and non-binding guidelines. Amalie Petroquímica does not give any express or implicit guarantee,

about the properties of the product or its suitability for a given application. Therefore, we recommend that you consult the Technical Assistance Service of Amalie Petroquímica to specify the application conditions and the performance criteria of the products, before using them.

The user's responsibility is to use the products according to their suitability and functionality for the intended application and with due care, always following the instructions of the vehicle or machinery manufacturers. Our products are subject to a process of continuous improvement. Amalie Petroquímica reserves the right to modify its range of products, its formulations and its manufacturing processes, as well as all the information contained in this document at any time and without prior notice. With the publication of this document, all previous editions will no longer be valid. Any form of reproduction requires the express prior written permission of Amalie Petroquímica.