

MAXIGRAS C45 EP - Series

Pg. 1 of 2

DESCRIPTION:

EP multifunctional grease enhanced by plastic deformation of micro additives and formulated for lubricating under harsh mechanical conditions and large frequency in lubrication periods. Free of fillers and heavy metals.

APPLICATIONS:

- For all types of bearings working with heavy loads, vibration or moisture present.
- In journal bearings, including yellow alloys, working with heavy loads or partial rotation with wear abrasion.
- To protect the development of vibro-corrosions or accelerated wear of bearings and grooves in Cardan transmissions and slotted joints with high torque.
- Lubrication in rolling mills or calenders by sliding pads.

PROPERTIES:

- It ensures economic maintenance by reducing costs in mechanical interventions or lubrication.
- High power: antiwear, anticorrosion, antioxidant and anti-rust.
- High adhesion and smoothness.
- Working temperature from -20 °C to +120 °C (-4 °F to +248 °F), with peaks of +135 °C (275 °F). Maximum application temperature, recommended for bearings depending on the speed factor.
- Excellent pumpability for using with gun and central lubrication.

SPECIFICATIONS:

CLASSIFICATION / GRADE	NLGI 1	NLGI 2	NLGI 3
DIN 51502	KP1K-20	KP2K-20	KP3K-20
ISO 6743/9	L-XBCEB-1	L-XBCEB-2	L-XBCEB-3



Vibrations



Multipurpose



**AMBER
COLOR**

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TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE		
Consistency (NLGI grade)	DIN 51818	1	2	3
Thickener (Nature)	----	Organic thickener		
Color	Visual	Amber		
Base oil (Viscosity ISO Grade)	ISO 3448	100	100 / 150	
Dropping point, °C (°F)	ASTM D-2265	≥ 180 (356)	≥ 185 (365)	
Penetration loss: After 10 ⁵ strokes, 25 °C, (77 °F), points	ASTM D-217	±30		
Water resistance, 3h, 90 °C (194 °F)	DIN 51807	1		
Emcor corrosion, distilled water	DIN 51802	0/0		
Copper corrosion, 24h, 100 °C, max.	ASTM D-4048	1B		
Timken load, OK, lb	ASTM D-2509	45		
4-ball EP test, (weld load)	ASTM D-2596	> 250		
4-ball wear test (40 Kg/1200rpm/75 °C/1h) scar (mm)	ASTM D-2266	< 0.50		

"These data represent mean values after different assays. Given the wide range of operating conditions, they do not represent a basis for setting specifications."

HOW TO USE:

MAXIGRAS C45 EP can be applied by manual pump, brush or spatula. It can also be pumped through automated systems, in consultation with the manufacturer.

MAXIGRAS C45 EP is compatible with any grease with the same base (thickener and oil). If in doubt please contact our technical department.

PACKAGING:

Cartridge of 400 g, bucket of 5L, pail of 20L and drum of 50L & 200L.

The presentation refers to the standard capacities of the containers. The net quantity of the product packaged may vary depending on the type of fat and raw materials used, and is recorded in each packaging batch.