

0449.32

Bearing EP LC Grease

NLGI 2

High quality grease thickened with a lithium complex soap. It possesses high EP, anti-wear, anti-oxidative and anti-corrosion properties.

Suitable for several uses where resistance to high temperatures is requested.

PAKELO BEARING EP LC NLGI 2 is a high quality grease with exceptional multipurpose properties, thickened with a lithium complex soap.

It is formulated with highly solvent refined mineral base oils and special Extreme Pressure (EP), anti-wear, anti-oxidative, anti-rust and anti-corrosion additives.

PAKELO BEARING EP LC NLGI 2 shows the following properties:

- very good resistance to high temperatures and in applications working under considerable temperature changes (good results also with temperatures up to +200°C with daily greasing): this property also allows to extend drain intervals;
- good anti-wear and Extreme Pressure performance;
- good shear stability even under high mechanical stress;
- excellent protection against oxidation, rust and corrosion;
- good resistance to hot and cold water washout;
- good low temperature pumpability also in centralized lubrication systems requiring NLGI 2 consistency greases.

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Application fields

PAKELO BEARING EP LC GREASE NLGI 2 is particularly recommended for bearings also working at high temperatures and with presence of warm environment.

The product provides remarkable technical and cost saving advantages, enhanced greasing and extended bearing downtime periods.

Other typical applications are: rolling bearing operating in casting machines; hot rolling mill; cooling surfaces and slot furnaces for iron industry; oven conveyors; equipment exposed to heat sources (stoneware, cement and glassware industry); trolleys for ovens; drying cylinders; hot fumes and gas exhauster systems; electric engines operating at high temperatures; wheel hubs for motor vehicles operating under heavy loads and/or vibrations.

Performance levels

ISO 6743-9 L-XBEHB 2, DIN 51502 KP2P -20

Chemical-Physical Characteristics

Bearing EP LC Grease	Method analysis	Unit measure	Value NLGI 2
Colour	-	-	hazel
Appearance	-	-	smooth
Thickener	-	-	lithium complex
NLGI grade	ASTM D217	-	2
Unworked Penetration at 25°C	ASTM D217	0,1 mm	280
Worked Penetration 60 strokes at 25°C	ASTM D217	0,1 mm	280
Worked Penetration 10.000 strokes at 25°C	ASTM D217	0,1 mm	280 (+/-20)
Dropping Point	ASTM D566	°C	280
Base Oil Density at 15°C	ASTM D1298	kg/l	0,900
Base Oil Kinematic Viscosity at 40°C	ASTM D445	cSt	100
Base Oil Flash Point (C.O.C.)	ASTM D92	°C	240
Copper Corrosion Test (24 hours at 100°C)	ASTM D4048	rating	1b
Anticorrosion Properties (Emcor Test)	ASTM D6138	rating	0 - 0
Water Washout Test (1 hour at 80°C)	ASTM D1264	% (w/w)	4
Timken Test, OK Load	ASTM D2509	lbs	45
4 Ball EP Test - Welding Load (10s, 1800rpm)	ASTM D2596	kgf	250
4 Ball AW Test - avg. scar diam.(1h, 150N, 1500rpm)	ASTM D2266	mm	< 0,6
Speed Factor (rpm x diameter)	-	-	< 450.000
Recommended Working Temperatures	-	°C	-20 / +160

The data just above refer to average values and must not be understood as guaranteed characteristics.

This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.