

PETRONAS GRIS EPI

Multipurpose Extreme Pressure Lithium Grease

Petronas Gris EPI is a premium quality lead-free extreme pressure multipurpose lithium hydroxystearate grease specially formulated to provide excellent performance for heavy duty and shock loads applications in the areas of corrosion protection, low temperature pumpability, high temperature service life and load carrying capabilities.

Petronas Gris EPI is manufactured from high viscosity index premium quality base oils thickened with lithium soap. It is compounded with rust, corrosion and oxidation inhibitors and extreme pressure additives to provide extra protection against wear, rust and corrosion, water washout and high temperature oxidation.

Applications

Petronas Gris EPI greases are recommended for most types of industrial applications including heavy duty applications where high unit pressures or shock loads are present. They are suitable for rolling element bearings, plain bearings, gears and couplings. They provide excellent protection against rust and corrosion and resist water washout particularly in applications where moist or wet conditions are common. The recommended operating temperature range is from -20°C to 130°C .

Petronas Gris EPI 0 and EPI 1 are soft greases with NLGI grades 0 and 1 respectively. They provide good low temperature pumpability and will not harden or separate in centralized lubrication systems and other applications where low temperature performance is required

Petronas Gris EPI 2 is recommended for multipurpose applications in antifriction and plain bearings, bushings and pins under normal operating conditions.

Petronas Gris EPI 3 is a stiffer NLGI grade 3 grease recommended for applications where maximum protection against penetration of water or solid contaminants is required.

Customer Benefits

- Reduced wear under heavy or shock loading and vibration
- Excellent protection against rust and corrosion.
- Good high and low temperatures stability.
- High resistance to water wash-out
- High mechanical and chemical stability

Product Typicals

Petronas Gris EPI	0	1	2	3
NLGI Grade	0	1	2	3
Colour	Amber	Amber	Amber	Amber
ASTM Drop Point, °C	193	205	207	235
Worked Penetration, dmm	370	325	280	235
Oil Viscosity @ 100 °C, cSt	15.5	15.5	15.5	15.5
Soap Type	Lithium	Lithium	Lithium	Lithium
Timken OK Load, kg	20.4	20.4	20.4	20.4
Operating Range, °C	-20 to 130	-20 to 130	-20 to 130	-20 to 130

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.