



## PETRONAS Grease Clay MG

High Temperature Heavy Duty Bentonite Grease with Solid Lubricants and very high base oil viscosity



High Temperatures



Extreme Pressure



Water Resistant



Corrosion Protection

### Description

**Petronas Grease Clay MG** is a Bentonite (clay) thickened, high temperature grease for heavy duty industrial equipment with slow speed plain bearings where the capability of conventional greases may be exceeded by either continuous high temperature or cyclic conditions ranging from normal to extremely high temperatures.

This grease contains a synergetic mix of friction reducing solids lubricants Molybdenum Disulphide + Graphite. It is particularly suitable for the lubrication of sliding machine elements subject to limited or slow motion and to heavy shock loading.

### Applications

**Petronas Grease Clay MG** is based on a very high base oil viscosity and contains solid lubricants making the product extremely suitable for the lubrication of high temperature applications where conventional soap thickened products are not viable. Recommended for the lubrication of plain and anti-friction bearings operating continuously in the 150 to 170 °C range or under conditions where bearings are

repeatedly cycled from normal ambient temperatures to the range encountered in equipment such as Sugar mill bearings, open gears, cement mill journal bearings, furnace door gears, oven and slow speed cams, ways and other sliding machine elements.

Operating temperature range for -10°C to +140°C (max +180°C)

### Features & Benefits

- Minimizes leakage at high temperatures.
- Will not soften and leak from bearings.
- Resistant to changes in structure and consistency under temperature cycling conditions.
- Excellent corrosion and oxidation prevention.
- Excellent protection against wear at high temperatures.
- Very good extreme pressure properties.
- Friction reduction solid lubricant properties.
- Resistant to water and steam washout.

**Typical Properties**

	<b>Test Method</b>	<b>Unit</b>	<b>Petronas Grease Clay MG</b>
DIN 51502 / DIN 51825			OGF1K-10
ISO 12924			L-XA(F)CHB1
NLGI Grade	ASTM D217		1
Thickener Type			Inorganic
Colour	Visual		Black
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	325
Dropping Point	IP 396	°C	Non-melt
Base Oil Type			Mineral Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	1250
Water resistance at 90°C	DIN 51807:1		0
Water wash out at 38°C	ISO 11009	%	< 10
Molybdenum Disulphide Content	Calculated	%	2
Graphite Content	Calculated	%	6
Density	IP PM-CS/03	g/ml	0.997

**Health & Safety**

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.