

# Petronas Grease CaSX

## High Temperature Multipurpose Grease



Multi Purpose



Heavy Loads



High Temperatures



Corrosion Protection

### Description

**Petronas Grease CaSX** is a state of the art calcium sulphonate complex thickened lubricating grease based on mineral oil. The grease contains antioxidants and corrosion inhibitors. The product does not contain conventional EP- and AW-additives since they are built in as an integral part of the soap structure.

The functional soap gives the product excellent load carrying capacity making it suitable for heavily loaded applications.

The grease also has superb mechanical stability, good corrosion protection and excellent water resistance which are important in wet and corrosive environments.

**Petronas Grease CaSX** is a modern high performance product suitable for both industrial, marine and "off road" applications. The extreme load carrying capacity and the excellent water resistance make the product a perfect choice for heavily loaded applications or wet and corrosive environments.

### Applications

**Petronas Grease CaSX** is recommended for most heavy duty bearing applications including large plain and anti-friction bearings and other mechanisms requiring a high temperature NLGI 2 grease such as slides, cams etc. It can also be applied as Multi- Purpose grease and excels as Marine Deck grease.

The good adhesive quality of this grease improves its stay-put properties compared to conventional greases.

It has good pumpability and can be used in centralised lubrication systems. Extended tests in Steel, Paper and Sugar Mills have produced outstanding results and have led to usage in these industries worldwide with reduced re-lubrication intervals.

Operating temperature range from -30°C to +160°C (max 220°C)

### Features & Benefits

- Seals against dust
- Excellent load carrying capacity.
- Good retention under shock loading.
- Long service life and good oxidation stability.
- High resistance to water wash-out and spray off.
- Excellent protection against rust and corrosion (especially sea water).

## Product Data Sheet

Effective Date 01.01.2015 Version 1.0

**PETRONAS**  
High Performance Grease



### Typical Properties

	Test Method	Unit	Petronas Grease CaSX
DIN Classification	DIN 51502		KP2N-30
ISO Classification	ISO 12924		L-XC(F)DIB2
NLGI Grade	ASTM D217		2
Thickener Type			Calcium Sulfonate Complex
Colour	Visual		Brown
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280
Dropping Point	IP 396	°C	300
Base Oil Type			Mineral
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	260
4-Ball Weld Load	DIN 51350:4	N	7500
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.4
Water resistance at 90°C	DIN 51807:1		1
Emcor salt water	ISO 11007		≤ 1 - 1
20,000 Strokes Worked Penetration	ASTM D217	% Change	2.5
20,000 Strokes Worked Penetration + 10% water	ASTM D217	% Change	8
100,000 Strokes Worked Penetration	ASTM D217	% Change	5
Density	IP PM-CS/03	g/ml	1,01

### 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.