

Petronas Grease PE HS

Coupling Grease



Special Compound



Extreme Pressure



Heavy Loads



High Speeds

Description

Petronas Grease PE HS is a special NLGI 1 consistency coupling grease, developed to withstand the exceptional centrifugal forces created by rotating couplings.

This smooth and tacky product is specifically formulated to resist the heavy centrifugal forces which can cause the all-important base oil to separate from the soap thickeners and additives. Due to the use of special polyethylene thickeners, with a density closer to that of the base oil, the product is less susceptible to separation.

In addition to this special property, the product contains anti-rust, anti-oxidant and extreme pressure additives for good load carrying capacity and corrosion protection.

Applications

Petronas Grease PE HS is a high tech product suitable for lubrication of flexible couplings in heavy industries at high accelerations and high speeds and heavy loads as in applications found in mining, cement, power plants, steel, paper & pulp and petrochemical industry.

Applicable at a wide temperature range, even subject to high loads and shocks, wet environment and vibrations.

Lowers maintenance costs and increases equipment life.

Continuous operating temperature range from

- -20°C to +120°C
- Short term exposure up to 140°C

Features & Benefits

- Meets and exceeds the AGMA Type CG-1 requirements
- Meets and exceeds the AGMA Type CG-2 requirements
- Prevents corrosion
- Excellent oxidation stability
- High wear protection
- Low oil bleed
- Suitable for central lubrication systems for NLGI 1 or NLGI 2.
- Resists separation
- Long Service Life
- Softens when in operation to optimise lubrications abilities in flexible gear couplings
- Can operate at high speeds > 300 rpm

Product Data Sheet

Effective Date 01.01.2015 Version 1.0

PETRONAS
High Performance Grease



Typical Properties

	Test Method	Unit	Petronas Grease PE HS
DIN Classification	DIN 51502		GP1H-20
ISO Classification	ISO 12924		L-XB(F)BHB1
NLGI Grade	ASTM D217		1
Thickener Type			Polyethylene
Colour	Visual		Brown
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	320
Dropping Point	IP 396	°C	>210
Base Oil Type			Mineral
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	670
4-Ball Weld Load	DIN 51350:4	N	3200
Koppers method, K36, 24h	ASTM D4425	%	<24%
Density	IP PM-CS/03	g/ml	0,94

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.