

# PETRONAS GREASE PE HS

## Polyethylene Grease

PETRONAS Grease PE HS is a Polyethylene grease specially developed to withstand the high centrifugal forces created by rotating couplings.

Formulated with high viscosity mineral base oils enhanced with Polyethylene thickeners, advanced extreme pressure, antioxidant, anti-rust and corrosion inhibitor additives. PETRONAS Grease PE HS provides excellent resistance to friction in rotating geared couplings with excellent corrosion protection. Applicable at a wide temperature range and has good load carrying capabilities in vibrating applications.

PETRONAS Grease PE HS meets or exceeds key industrial specifications.

### Applications

PETRONAS Grease PE HS is recommended for use in:

- 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

Note: PETRONAS Grease PE HS is recommended for operating temperature range of 0°C to +110°C (Max. +120°C).

### Features and Benefits

Features	Benefits
Excellent load carrying capacity	Contains special additives which enables the grease to withstand heavy loads without losing the lubricant film
Friction resistance	Reduces friction in applications where high rotational load is experienced providing equipment reliability
Excellent rust & corrosion protection	Protects metal surfaces against rust and corrosion, even when the grease is contaminated with water
High resistance to water wash-out	Equipment protection and good lubrication even in presence humidity and water
Excellent thermal and oxidation stability	Has excellent oxidation resistance and can withstand fretting corrosion even under high operating temperatures without hardening.

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### Typical Properties

Characteristic	Method	Specification	PE HS
Thickener Type	-	Polyethylene	Polyethylene
NLGI	ASTM D217	1	1
Color	Visual	Brown	Brown
Worked Penetration, mm/10	ASTM D217	310 - 340	320
Dropping Point, °C, Min.	ASTM D2265	210	215
Four Ball Wear, mm, Max.	ASTM D2266	0,50	0,50
Four Ball EP Weld Point, Min.	ASTM D2596	315	315
Wheel Bearing Leakage, grams, Max.	ASTM D4290	10	7
Water Washout at 79°C, %, Max.	ASTM D1264	10	8
Rust Protection, rating	ASTM D1743	Pass	Pass
Copper Corrosion, Max.	ASTM D4048	1	1b
Emcor Test (Dist. Water), rating, Max.	ASTM D6138	0-0	0-0
Emcor Test (Salt Water), rating, Max.	ASTM D6138	2-2	2-2
Base Oil Viscosity @40°C, cSt	ASTM D445	660 - 680	670

All technical data are provided for reference only / SS is available upon request including quality control limits

### Performance Levels

- ISO 12924 L-XA(F)BIB1

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### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com).

### Important Note

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