

## PETRONAS TUTELA WB Grease

### Advanced Automotive Lithium Complex Grease



High Temperatures



Extreme Pressure



Water Resistant



Corrosion Protection

### Description

**Petronas Tutela WB Grease** is a superior quality, polymer based lithium complex grease specifically designed for transport industry and automotive wheel bearing applications and has

a high level of chemical stability, excellent structural stability, high resistance to water washing and provides maximum protection against wear and shock loads.

### Applications

**Petronas Tutela WB Grease** is designed for use under severe operating conditions. It is recommended for use in rolling element bearings, especially in wheel bearings where high cyclic stresses and shock loading are encountered and the heavy use of disc brakes generate high operating temperatures. It is recommended for the lubrication of boat trailer wheel bearings in both fresh water and salt

water environment. It can also be used for general automotive applications such as steering and chassis fittings, grease cups and water pump bearings.

Continuous operating temperature range from -20°C to +160°C. Short term exposure up to 200°C.

### Features & Benefits

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

## Product Data Sheet

Effective Date 01.01.2015 Version 1.0

**PETRONAS**  
High Performance Grease



### Typical Properties

	Test Method	Unit	Tutela WB Grease
DIN 51502			KP2.5N-20
ISO 6743			ISO-L-XBDIB2.5
NLGI Grade	ASTM D217		2.5
Thickener Type			Lithium Complex
Colour	Visual		Green
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	255
Dropping Point	IP 396	°C	280
Base Oil Type			Mineral Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	540
4-Ball Weld load	DIN 51350:4	N	3000
4-Ball Wear Scar, 40kg/1h	DIN 51350:5	mm	0.4
20,000 Strokes Worked Penetration	ASTM D217	% Change	10
Shell Roll Stability – 24hrs	ASTM D1831	% Change	10
Density	IP PM-CS/03	g/ml	0.95
Wheel Bearing Leakage @ 105°C	ASTM D1263	%	5
Wheel Bearing Leakage @ 163°C	ASTM D1263	%	7
Water Spray off	ASTM D4049	%	20

### 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.