

## Product Data Sheet

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# PETRONAS Tutela Brake Fluid DOT 4 LV



PETRONAS

Designed to be the Fluid Technology Solutions of choice providing excellent protection and longer fluid life for braking and clutch systems

### Description and Applications

PETRONAS Tutela Brake Fluid DOT 4 LV is a premium performance hydraulic brake and clutch systems fluid, delivering optimized performance and component durability for today's Electric Vehicles braking systems. Especially recommended for ABS, TCS, ESP/DSC systems and latest vehicle equipped with ADAS (Advanced Driving Assistance Systems).

### Benefits

PETRONAS Tutela Brake Fluid DOT 4 LV enhances your vehicle performances while significantly reducing your operating costs through:

- **Long Life Technology** to extend the fluid service life and brake system operation hours
- **Extended Braking System Life** driven by:
  - o Exceptional corrosion protection to protect metal-based components
  - o Enhanced thermal stability to deliver stable fluid performances during the service life
  - o Effective lubricity to prevent squeak noise and improve the system reaction time
  - o High performance on Pressure increasing gradient for Mechatronic brake system
  - o Very good elastomer and rubber compatibility to prevent fluid leakages and longer component's life

Provides outstanding Driving Experience through:

- **Exceptional pedal run stability** due to no hysteresis in cold/hot/cold condition
- **Excellent prevention against brake system fading** even in the most severe conditions thanks to its extremely high thermal resistance
- **Exceptional fluidity at low temperature** for faster system reaction time
- **Higher dry boiling point** than standard DOT 4 fluid to prevent vapor lock conditions and maximize braking efficiency
- **Higher wet boiling point** than standard DOT 4 fluid for a longer braking efficiency during the service life, improving the vehicle safety

### Approvals, Specifications and Recommendations

#### Specifications:

- FMVSS No. 116 DOT 3, DOT 4
- ISO 4925 Class 6
- SAE J 1703
- SAE J 1704

#### Performance Level:

- Continental ATE 553 11.05
- Ford WSS-M6C65-A2
- Jaguar/Land Rover 4R83-M6C57 BH22-M6C57
- PSA S71 2114
- Renault 41-02-001/-E

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle;

### Typical Physical Data

Parameters	Method	Unit	Typical Value
Color	-	-	Yellow
Relative Density @20°C	ASTM D 5931	g/cm <sup>3</sup>	1.059
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	2.1
Kinematic Viscosity @-40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	675
Boiling Point	ASTM D 1120	°C	268
Wet Boiling Point	ASTM D 1120	°C	175
Effect on Rubber SBR	ISO 4925	-	PASS
Effect on Rubber EPDM	SAE J 1703	-	PASS
Effect on Rubber Natural	ISO 4925	-	PASS

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

## **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)

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