

0267.00

# Brake Fluid Extra DOT 5.1

**Non silicone high performance synthetic brake fluid for disc and drum braking systems. Suitable for braking systems with electronic antilock and stability devices. Suitable also for vehicles with friction servo-control systems.**

**Fully complying with DOT 5.1 brake fluids performance limits.**

---

PAKELO BRAKE FLUID EXTRA DOT 5.1 is a high performance non silicone synthetic brake fluid, specifically studied and formulated for disc and drum braking systems both of light and heavy duty vehicles.

The product thanks to its special properties can be recommended for braking systems with electronic antilock and stability devices.

PAKELO BRAKE FLUID EXTRA DOT 5.1 provides dry and wet boiling points respectively over 260°C and 180°C.

These characteristics allow to reduce the danger of “vapor-lock” phenomenon (steam bubbles that form in the braking circuit causing the dangerous and unpleasant situation of a “soft foot” brake pedal).

The boiling point of PAKELLO BRAKE FLUID EXTRA DOT 5.1 fully complies with the SAE J1703 / SAE J1704 and FMVSS N° 116 performance limits specific of DOT 3, DOT 4 and DOT 5.1 brake fluids.

This means that even under the presence of humidity (absorbed through the flexible tubes and the brake fluid tank), the boiling point remains high and this characteristic further reduces the danger of “vapor-lock” even under long lasting working conditions.

The product provides excellent compatibility with gaskets used for the braking systems and avoids swelling.

Furthermore, it provides high anticorrosive properties for the braking system metals.

PAKELO BRAKE FLUID EXTRA DOT 5.1 is furthermore characterized by a reduced compressibility at very high temperatures too.

Such peculiarity guarantees both superior brake reactivity and optimal modulability of the braking phase.

## Notes:

PAKELO BRAKE FLUID EXTRA DOT 5.1, like the majority of brake fluids, is hygroscopic. It is recommended to store the product in closed containers and to avoid any contamination of water or other substances that can compromise the exceptional properties of this product.

PAKELO BRAKE FLUID EXTRA DOT 5.1 is chemically compatible with similar products (such as DOT 3, DOT 4 and DOT 5.1), non silicone based.

We strongly recommend to follow drain intervals suggested by OEMs and not to blend it with other products or with other brake fluids already in the system.

In case of mixture the high performance of the product can not be guaranteed.

0267.00

# Brake Fluid Extra DOT 5.1

## Application fields

PAKELO BRAKE FLUID EXTRA DOT 5.1 is a brake fluid for braking systems both of light and heavy duty vehicles (motorbikes, cars, vans, buses, trucks, etc.) when requested a DOT 3, DOT 4 or DOT 5.1 braking fluid.

The product is strongly recommended also for last generation braking systems with electronic antilock and stability devices such as ABS, ASC, ESP/DSC, etc..

PAKELO BRAKE FLUID EXTRA DOT 5.1 can also be suitable for vehicles with friction servo-control systems.

## Performance levels

**FMVSS N°116** - DOT 3 / DOT 4 / DOT 5.1, **SAE J 1703**, **SAE J 1704**, **ISO 4925**.

## Chemical-Physical Characteristics

| Brake Fluid Extra DOT 5.1                           | Method analysis | Unit measure      | Value        |
|-----------------------------------------------------|-----------------|-------------------|--------------|
| Appearance                                          | -               | -                 | clear liquid |
| Density at 20°C                                     | -               | g/cm <sup>3</sup> | 1,062        |
| Kinematic Viscosity at 100°C                        | -               | cSt               | 2,0          |
| Kinematic Viscosity at -40°C                        | -               | cSt               | 670          |
| E.R.P.B. (Equilibrium Reflux Boiling Point)         | -               | °C                | 275          |
| Wet E.R.P.B. (Wet Equilibrium Reflux Boiling Point) | -               | °C                | 185          |
| pH                                                  | -               | -                 | 7,6          |

*The data just above refer to average values and must not be understood as guaranteed characteristics.*

*This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.*