



TECHNICAL DATA SHEET

DOT 5.1 EHV

Ed-01
JANUARY -26

PRODUCT DESCRIPTION

DOT 5.1 EHV has been specifically designed for use in the brake and clutch systems of plug-in hybrid or fully electric vehicles, although it can also be used in any conventional hydraulic system for which glycol ether-based fluids are specified. It has a wide range of applications, allowing Electronic Stability Programme (ESP) systems to operate effectively over a wide temperature range, while maintaining excellent lubricity, which increases system life and reduces noise.

CHARACTERISTICS

- Fully synthetic brake fluid with oxidation and corrosion inhibitors
- For hydraulic brake and clutch systems
- Miscible with all other fully synthetic glycol-based brake fluids
- Excellent dry and wet boiling point properties.
- Low viscosity and complies with classes 6 and 7 of ISO 4925. (Typically 690 cSt at -40 °C)

APPLICATIONS

Specifically for electric and hybrid vehicles where DOT 5.1 EHV quality is recommended. Directly from the original container, fill or refill the brake circuit reservoir or expansion tank. It is recommended that the brake fluid be changed at least every two years or sooner if specified by the manufacturer.

TECHNICAL DATA

DESCRIPTION	BRAKE FLUID DOT 5.1 EHV	
ASPECT	Visual	Bright fluid
COLOUR	Visual	Amber
VISCOSITY AT -40°C	UNE 26-382	750 cSt max
VISCOSITY AT 100°C	ASTM D-445	1.5 cSt
PH	UNE 26-387	7.0-11.5
BOILING POINT	UNE 26-375	>270°C
WET BOILING POINT	UNE 26-376	>180°C
DENSITY	ASTM D-1122-84	1.030-1.070 g/cm3

** We reserve the right to modify the general characteristics of our products in order to enable our customers to benefit from the latest technical advances. For further information on the product, please consult the Safety Data Sheet (SDS), available through the Customer Service Centre at KEMETYL IADA.



Kemetyl



TECHNICAL DATA SHEET

DOT 4 LV Class 6

QUALITY LEVELS

Especificación DOT 5.1

FMVSS 116 DOT 3 • FMVSS 116 DOT 4 • FMVSS 116 DOT 4 LV • FMVSS 116 DOT 5.1 • FMVSS 116 DOT 5.1 LV • ISO 4925 Class 3 • ISO 4925 Class 4 • ISO 4925 Class 5.1 • ISO 4925 Class 6 • ISO 4925 Class 7 • SAE J 1703 • SAE J 1704

Recomended use FMVSS 116 DOT 5.1 Recomendado use ISO 4925 Classes 6 & 7.

CONSERVATION AND HANDLING

Brake fluid is hygroscopic, meaning it has the ability to absorb moisture from the atmosphere. Consequently, the conditions in which the fluid is stored have a significant impact on its service life. The fluid should be stored in a dry place, as free from dust and frost as possible, protected from direct sunlight and, if possible, at a temperature between 15 and 30 °C (59 and 86 °F). Incorrect storage could lead to premature ageing of the brake fluid, which would mean that the specified properties could not be guaranteed until the expiry date indicated on the container. In tropical climates, the expiry date should be shortened due to high temperatures and humidity. These storage recommendations apply only to original, sealed containers. For more information about the product, please refer to the Safety Data Sheet (SDS), available from the Customer Service Centre at KEMETYL IADA.