

Brake Fluid DOT 5.1 EV

Description

Synthetic brake fluid based on glycol ethers. It contains inhibitors to prevent the corrosion of metallic brake components and to reduce oxidation at increased temperatures. Specially developed to extend the operating life of components in the hydraulic brake and clutch systems of electric vehicles. The brake fluid with low electric conductivity has an excellent wet and dry boiling point, thus ensuring safe braking even after the absorption of some moisture over an extended period of use.

Properties

- excellent viscosity/temperature properties
- high thermal stability
- assures a high degree of lubricating action on all moving components in the hydraulic brake circuit
- outstanding protection against the formation of steam bubbles
- excellent elastomer compatibility
- excellent low temperature behavior
- extremely high wet and dry boiling points
- low electrical conductivity

Specifications / Approvals

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

Technical data

ERBP	> 260 °C
ERBP, wet	> 180 °C
pH value	7 - 11,5
Density at 20 °C	1,04 - 1,09 g/cm ³
Color / appearance	amber
Viscosity at -40 °C	≤ 750 mm ² /s
Viscosity at 100 °C	min. 1,5
Thermal stability ERBP change	≤ 3 °C
Form	liquid
Odor	mild
Flash point	> 120 °C
Shelf life in original sealed container	24 months

Areas of application

Exceptionally well-suited for use with all disk and drum brake systems, as well as vehicle clutch systems for which a synthetic brake fluid of this specification is prescribed. With its low low-temperature viscosity, this brake fluid is especially suitable for brake systems equipped with modern



safety systems such as ESP and ABS. **Note:** The specifications from the automobile manufacturer must be followed!

Application

Can be used in all conventional brake fluid bleeding devices. The optimal period of use for this brake fluid is, however, only ensured when it is used alone. It is recommended that the brake fluid be changed in accordance with the specifications from the vehicle manufacturer.

Available pack sizes

500 ml Canister plastic	21729
	D-GB
1 l Canister plastic	21730
	D-GB

Our information is based on thorough research and may be considered reliable, although not legally binding.