



# RAVENOL DOT 5.1

**Kategorie:** Brake fluid

**Artikelnummer:** 1350602

**Specification:** FMVSS 116 DOT 5.1, ISO 4925 Klasse 5.1, SAE J 1704

**Application:** Passenger car, Truck, Motorcycle



**1L | 1350602-001**

**20L | 1350602-020**

**200L | 1350602-200**

**RAVENOL DOT 5.1** brake fluid is suitable for use in all vehicles with ABS properties. The fluid is chemically stable and contains additives that provide the highest lubricating power.

The specific formulation of **RAVENOL DOT 5.1** offers international DOT 5.1 specifications SAE J 1704, ISO 4925 and fulfills FMVSS 116 DOT 5.1.

**RAVENOL DOT 5.1** fluid is an ideal brake fluid for modern vehicles with the brake circuit accompanying systems such as ESP and ABS due to its low viscosity. The safety potential of the aggregates is enhanced by the excellent properties of **RAVENOL DOT 5.1** even at low temperatures.

## Application Note

**RAVENOL DOT 5.1** brake fluid can be used in all vehicles where DOT 5.1 specification is required. It is suitable for all hydraulic brake systems with synthetic fluid.

**RAVENOL DOT 5.1** brake fluid is miscible with all known brake fluids of the same specification. To use the high performance level of **RAVENOL DOT 5.1**, a complete change of the brake fluid is recommended.

**RAVENOL DOT 5.1** is not suitable for vehicles with mineral oil systems (e.g. certain Citroën models).

FOLLOW VEHICLE MANUFACTURERS RECOMMENDATIONS WHEN ADDING BRAKE FLUID KEEP BRAKE FLUID CLEAN AND DRY. Contamination with dirt, water, petroleum products or other materials may result in brake failure or costly repairs.

STORE BRAKE FLUID ONLY IN ITS ORIGINAL CONTAINER. KEEP CONTAINER CLEAN AND TIGHTLY CLOSED TO PREVENT ADSORPTION OF WATER. CAUTION! DO NOT REFILL CONTAINER AND DO NOT USE FOR OTHER LIQUIDS.

Dispose of used brake fluid responsibly (EU waste code 160113).

Brake fluid damages paint work –if spilt wash off immediately with plenty of water.

## Characteristics

- Optimal ABS properties
- Chemical stability
- High lubricating power
- Neutral behavior towards brake parts
- Low viscosity at low temperatures
- Miscibility with all brake fluids of the same specification.

## Technical Product Data

| PROPERTY                                 | UNIT                 | DATA                     | AUDIT        |
|--|----------------------|--------------------------|--------------|
| Colour                                   |                      | hellgelb                 | VISUELL      |
| Sediment                                 | %                    |                          | FMVSS 116    |
| Aluminium                                | ? mg/cm <sup>2</sup> | -0,01                    | FMVSS 116    |
| SBR at 120 °C                            | Ø ?, mm              | +0,72                    | FMVSS 116    |
| SBR at 70 °C                             | Ø ?, mm              | +0,44                    | FMVSS 116    |
| Boiling point                            | °C                   | 269                      | FMVSS 116    |
| Steel                                    | ? mg/cm <sup>2</sup> | -0.004                   | FMVSS 116    |
| Hardness Change                          | °IRHD                | -6                       | FMVSS 116    |
| Rubber Diameter Change                   |                      | +0,03                    | FMVSS 116    |
| Evaporation                              | %w/w                 | 68                       | FMVSS 116    |
| Tinned Iron                              | ? mg/cm <sup>2</sup> | -0,01                    | FMVSS 116    |
| Viscosity at 100 °C                      | mPa*s                | 2,16                     | ASTM D445    |
| Viscosity at -40 °C                      | cSt                  | 810                      | ASTM D445    |
| Water Tolerance at +60 °C                |                      | klar, keine Ablagerungen | FMVSS 116    |
| Water Tolerance at -40 °C                |                      | klar, 2s                 | FMVSS 116    |
| Water content                            | mg/kg                | 0,10                     | DIN 51777-1  |
| Zinc                                     | ? mg/cm <sup>2</sup> | +0,03                    | FMVSS 116    |
| Chemical Stability                       | °C                   | +1,5                     | FMVSS 116    |
| Density at 20 °C                         | kg/m <sup>3</sup>    | 1069,0                   | EN ISO 12185 |
| EPDM at 120 °C                           | ? Härte              | -3                       | FMVSS 116    |
| EPDM at 70 °C (as required by SAE J1703) | ? Härte              | -2                       | FMVSS 116    |
| Appearance                               |                      | i.O.                     | FMVSS 116    |
| Fluidity & Appearance at -40 °C          |                      | i.O., 2s                 | FMVSS 116    |
| Fluidity & Appearance at -50 °C          |                      | i.O., 4s                 | FMVSS 116    |
| Cast Iron                                | ? mg/cm <sup>2</sup> | -0,01                    | FMVSS 116    |
| High Temperature Stability               | °C                   | 0                        | FMVSS 116    |

| PROPERTY                                   | UNIT                 | DATA                       | AUDIT     |
|--|----------------------|----------------------------|-----------|
| Copper                                     | ? mg/cm <sup>2</sup> | -0,03                      | FMVSS 116 |
| Brass                                      | ? mg/cm <sup>2</sup> | -0,05                      | FMVSS 116 |
| Compatibility at +60 °C                    |                      | klar, keine Ablagerungen   | FMVSS 116 |
| Compatibility at -40 °C                    |                      | klar, keine Phasentrennung | FMVSS 116 |
| Wet Equilibrium Reflux Boiling Point       | °C                   | 187                        | FMVSS 116 |
| Natural at 70 °C (as required by ISO 4925) | Ø ?, mm              | +0,42                      | FMVSS 116 |
| pH - value                                 |                      | 7,33                       | FMVSS 116 |

All indicated data are approximate values and are subject to the commercial fluctuations.