



# 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
Tinned Iron	? mg/cm <sup>2</sup>	-0,01	FMVSS 116

PROPERTY	UNIT	DATA	AUDIT
High Temperature Stability	°C	0	FMVSS 116
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.

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