



RAVENOL Racing Brake Fluid R325+



ART.-NR. 1350604

500 ml | 1350604-500

SPECIFICATIONS FMVSS 116 DOT 4 | FMVSS 116 DOT 5.1 | SAE J1703
| SAE J1034

RAVENOL Racing Brake Fluid R325+ is a specially developed high performance braking fluid that has a very high thermal resistance at the very highest DOT 4 level. The formula is based on top class technology with a glycol ether / ester system. The use of a proven additive combination in conjunction with a basis system that is specifically adjusted for the high boiling range to the guarantees safety even under the most extreme loads.

RAVENOL Racing Brake Fluid R325+ is an ideal brake fluid for motor sports (car and motorbike racing) due to its very high dry and wet boiling point. The braking system is more responsive even under extreme conditions. Please always observe the vehicle manufacturer's specifications.

Application Notes

To achieve optimum results the braking system should be freshly filled with **RAVENOL Racing Brake Fluid R325+** before each race. In particular when the brakes are inordinately hot or racing under tropical conditions.

Do not mix with other brake fluids!

Not suitable for vehicles that require a mineral brake fluid (LHM).

Observe manufacturer's specifications.

Not recommended if the components used are made of magnesium or are alloys with a high magnesium content.

Characteristics

RAVENOL Racing Brake Fluid R 325+ offers:

- Optimum ABS properties
- Chemical stability
- Highest lubricating power
- Neutral towards brake parts
- Low viscosity even at low temperatures
- Miscibility with all brake fluids with the same specifications



| Property | Unit | Data | Audit |
|--------------------------------|----------------------|----------------------------|--------------|
| Colour | | gelb | visual |
| Density at 20°C | kg/m ³ | 1078 | DIN EN 12185 |
| Boiling point | °C | Min. 328 °C | ISO 4925 |
| wet boiling point | °C | Min. 204 °C | ISO 4925 |
| kinematic viscosity at -40°C | mm ² /s | Max. 1800 cSt | DIN EN 3104 |
| kinematic viscosity at 100°C | mm ² /s | 2,59 | DIN 51 562 |
| pH-Wert | | 7,15 | FMVSS 116 |
| High Temperature Stability | °C | -1 | FMVSS 116 |
| Chemical Stability | °C | 1 | FMVSS 116 |
| Evaporation | %w/w | 50 | FMVSS 116 |
| Fluidity & Appearance at -40°C | | i.O., 4s | |
| Fluidity & Appearance at -50°C | | i.O., 7s | FMVSS 116 |
| Water Tolerance at -40°C | | klar, 5s | FMVSS 116 |
| Water Tolerance at +60°C | | klar, keine Ablagerungen | FMVSS 116 |
| Compatibility at -40°C | | klar, keine Phasentrennung | FMVSS 116 |
| Compatibility at +60°C | | klar, keine Ablagerungen | FMVSS 116 |
| water content | % | <0.20 | Karl Fischer |
| Corrosion Resistance | | | |
| Tinned Iron | ? mg/cm ² | 0,03 | FMVSS 116 |
| – | Aussehen | gut | |
| Steel | ? mg/cm ² | 0,01 | FMVSS 116 |
| – | Aussehen | gut | |
| Aluminium | ? mg/cm ² | 0,02 | FMVSS 116 |
| – | Aussehen | gut | |
| Cast Iron | ? mg/cm ² | -0,1 | FMVSS 116 |
| – | Aussehen | gut | |



| Property | Unit | Data | Audit |
|---|----------------------|-------|-----------|
| Brass | ? mg/cm ² | -0,4 | FMVSS 116 |
| – | Aussehen | gut | |
| Copper | ? mg/cm ² | -0,5 | FMVSS 116 |
| – | Aussehen | gut | |
| Aussehen der Flüssigkeit | | i.O. | FMVSS 116 |
| Ablagerungen | % | <0,05 | FMVSS 116 |
| pH-Wert | | 7,51 | FMVSS 116 |
| Veränderung des Durchmessers von Gummi | | 0,03 | FMVSS 116 |
| Veränderung der Härte | IRHD | -4 | FMVSS 116 |
| Erscheinungsbild | | i.O. | |
| Tinned Iron | ? mg/cm ² | 0,03 | FMVSS 116 |
| – | Aussehen | gut | |
| Aluminium | ? mg/cm ² | -0,01 | FMVSS 116 |
| – | Aussehen | gut | |
| Beständigkeit gegen Gummi | | | |
| SBR bei 70°C | Ø Veränderung, mm | 0,76 | FMVSS 116 |
| — | Härte, IRHD | -4 | |
| — | Volumen, % | 8,34 | |
| – | Aussehen | gut | |
| SBR bei 120°C | Ø Veränderung, mm | 1,05 | FMVSS 116 |
| — | Härte, IRHD | -7 | FMVSS 116 |
| — | Volumen, % | 10,1 | FMVSS 116 |
| – | Aussehen | gut | |
| EPDM bei 70°C (Anforderung aus SAE J1703) | Härte, IRHD | -1 | FMVSS 116 |
| — | Volumen, % | 0,93 | FMVSS 116 |
| – | Aussehen | gut | |
| EPDM bei 120°C | Härte, IRHD | -2,5 | FMVSS 116 |



| Property | Unit | Data | Audit |
|----------|------------|------|-----------|
| — | Volumen, % | 1,8 | FMVSS 116 |
| — | Aussehen | gut | |

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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