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/m³	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	mm²/s	Max. 1800 cSt	DIN EN 3104
kinematic viscosity at 100°C	mm²/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/cm²	0,03	FMVSS 116
_	Aussehen	gut	
Steel	? mg/cm²	0,01	FMVSS 116
_	Aussehen	gut	
Aluminium	? mg/cm²	0,02	FMVSS 116
_	Aussehen	gut	
Cast Iron	? mg/cm²	-0,1	FMVSS 116
_	Aussehen	gut	

Property	Unit	Data	Audit
Brass	? mg/cm²	-0,4	FMVSS 116
_	Aussehen	gut	
Copper	? mg/cm²	-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/cm²	0,03	FMVSS 116
_	Aussehen	gut	
Aluminium	? mg/cm²	-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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