Racing Brake Fluid 660 Factory Line

100% Synthetic Racing Fluid – DOT 4
Very high boiling point : 325°C / 617°F

For hydraulic actuated brake and clutch systems

TYPE OF USE

All types of hydraulic brake and clutch actuators requiring non-silicone synthetic fluid.
Specially designed to resist to extreme temperature generated by racing carbon and ceramic brakes allowing to minimize air entrance for brake cooling.
Can also be used with conventional steel rotors and clutch systems.
Widely exceeds DOT 3, DOT4 and DOT 5.1 standards (except for DOT 5.1 viscosity at - 40°C).

PERFORMANCE

STANDARDS : FMVSS 116 DOT 4 / SAE J1703 & J1704 / ISO 4925

Extreme thermal resistance and stability :
Very high boiling point (325°C / 617°F), superior to conventional DOT5.1 non silicone base / DOT5 silicone base fluids (260°C / 500°F mini) and DOT4 (230°C / 446°F mini)
Enables effective brake even in extreme conditions.
Better aerodynamic performance by reducing air entrance for brake cooling for cars.

Efficient when rainy :
Very high wet boiling point (204°C / 400°F) superior to conventional DOT 5.1 non-silicone base fluid (180°C / 356°F mini) and DOT 4 (155°C / 311°F mini enables to keep efficient braking while rainy.
Brake fluids tend to absorb humidity from the air, which reduce boiling point and increase the risk to get to “vapour lock” phenomena.
The wet boiling point is measured by humidifying the product with about 3.5 % of water.

RECOMMENDATIONS

Avoid mixing with polyglycols based brake fluid.
Do not mix with silicone (DOT 5 silicone base) or mineral base fluids (LHM).
Store brake fluid in its original container, tightly closed to prevent moisture absorption.
Aggressive chemical product if contact with hands, paint or varnish.
If skin contact, rinse thoroughly with water.

PROPERTIES

100% synthetic fluid, polyglycol bases.

Colour	Amber
Dry boiling point	325 °C / 617 °F
Wet boiling point	204 °C / 400 °F
Viscosity at -40°C (-40°F)	1698 mm²/s
Viscosity at 100°C (212°F)	2.59 mm²/s

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MOTUL RBF 660 Factory Line

TEST	Unit	Specification limits DOT 3	DOT 4	DOT 5.1	RFB 660
Dry boiling point	°C	>205	>230	>260	325 (617°F)
Wet boiling point	°C	>140	>155	>180	204 (400°F)
Viscosity at - 40°C (- 40°F)	mm²/s	<1500	<1800	<900	1698
Viscosity at 100°C (212 °F)	mm²/s		>1.5		2.59
pH			7-11.5		7.15
Effect on rubber SBR (Styrene-butadiene)					
Volume change at 70°C (70 hours)	mm		0.15-1.4		0.76
Softening (IRHD)			10 max		4
Disintegration			no		no
Volume change at 120°C (70 hours)	mm		0.15-1.4		1.05
Softening(IRHD)			15 max		7
Disintegration			no		no
Evaporation					
Loss at 100°C	weight %		80% max		50
Fluidity and appearance at low temperature					
Appearance at -40°C			No freezing		OK
Bubble time	s		10 max		OK
Appearance at -50°C			No freezing		OK
Bubble time	s		35 max		OK
Water tolerance					
Appearance at -40°C			clear		OK
Flow time	s		10 max		OK
Appearance at +60°C			clear		OK
Sedimentation	%		0.15 max		OK
Anti-corrosion properties : Weight variation					
Tinned iron	mg/cm²		0.2 max		0.03
Steel	mg/cm²		0.2 max		0.01
Aluminium	mg/cm²		0.1 max		0.02
Cast iron	mg/cm²		0.2 max		0.1
Brass	mg/cm²		0.4 max		-0.04
Copper	mg/cm²		0.4 max		-0.05

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