



OPUS LUBRICANTS PRODUCT DATA

BRAKE FLUID DOT 4

Description

Opus Brake Fluid DOT 4 is a high-quality choice for maintaining the hydraulic systems of vehicles. Its formulation, combining polyglycol ethers, glycol ether borate esters, and polyglycols, suggests a blend engineered for optimal performance and durability under braking conditions. The inclusion of corrosion and oxidation inhibitors further enhances its ability to withstand the harsh operating environments within brake systems. Overall, it seems like a reliable option for vehicles requiring DOT 4 brake fluid.

Performance Levels

The product shall fully meet the requirements of the latest issue of the US FMVSS 116 DOT 4, DOT 3, SAE J 1703, SAE J 1704 and ISO 4925 (Classes 3 & 4) Specifications. The product shall also meet the following requirements:

<u>Test</u>	<u>Units</u>	<u>Method</u>	<u>Specification</u>
Equilibrium Reflux Boiling Point	°C	FMVSS 116	230 Minimum
Wet Equilibrium Boiling Point	°C	FMVSS 116	155 Minimum
Kinematic Viscosity @ -40°C	cSt	ASTM D 445	1500 Max

Benefits

- Long service life.
- The DOT 4 specification gives excellent protection against brake failure giving a wet boiling point temperature greater than 155°C thereby giving a greater safety margin.
- Achieves maximum life from system components.
- Excellent compatibility with rubber parts and all metals.
- Highly stable.

Typical Data

<u>Test</u>	<u>Typical Results</u>	<u>Specification</u>
Dry Equilibrium Reflux Boiling Point, °C	243	230 °C Min
Wet Equilibrium Reflux Boiling Point, °C	159	155 °C Min
Kinematic Viscosity @ 40°C	1296	1500 cSt Max
@ 100°C	2.17	1.5 cSt Min
pH	8.31	7 – 11.5
High Temperature Stability, °C	-2	+/- 3.0°C Max
Chemical Stability, °C	+1	+/- 3.0°C Max



Test		Typical Results	Specification
Evaporation, %w/w		68	80% Max
Fluidity & Appearance	@ -40°C	Pass, 3 seconds	No freezing, Bubble time 10 sec. Max
	@ -50°C	Pass, 6 seconds	No freezing, Bubble time 35 sec. Max
Water Tolerance	@ -40°C	Clear, 2 seconds	10 sec. Max
	@ +60°C	Clear, No Sediment	Sediment nit to exceed 0.05% v/v
Compatibility	@ -40°C	Clear, no stratification	No Stratification
	@ +60°C	Clear, No Sediment	Sediment nit to exceed 0.05% v/v
Colour, visual		Pale Amber	Water White to amber
Water Content, %		<0.20	Not Required
Density @ 20°C, g/ml		1.04	Not Required

Revision Date: January 2022

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