

BRAKE FLUID DOT 5.1

Product Description

Brake Fluid DOT 5.1 is an advanced synthetic brake fluid engineered for hydraulic braking and clutch systems operating under high stress, particularly in vehicles with sophisticated electronic braking systems. It provides fast response, exceptional thermal stability, and outstanding corrosion protection.

Product Features & Benefits

- Excellent low-temperature fluidity
- High dry & wet boiling points
- Superior response time for electronic braking systems
- Fully miscible with DOT 3 and DOT 4

Application

- ABS, ESP, and EBD-equipped vehicles
- High-performance motorcycles
- Commercial vehicles under severe braking
- Hydraulic brake and clutch systems requiring DOT 5.1

Meets or Exceeds

- FMVSS 116 DOT 5.1
- SAE J1703 / J1704
- ISO 4925 Class 5-1
- JIS K2233

Storage & Handling

- Store tightly closed in original containers
- Prevent contamination with water or other fluids
- Keep away from painted surfaces
- Shelf life: 2 years (unopened)

Typical Properties

Property	Method	Unit
Appearance	Visual	Clear to light yellow
Boiling Point (Dry)	FMVSS 116	≥ 260°C
Boiling Point (Wet)	FMVSS 116	≥ 180°C
Viscosity @ -40°C	ISO 3104	≤ 900 mm ² /s
Viscosity @ 100°C	ISO 3104	~2.0 mm ² /s
pH Value	ASTM D1287	7.0 - 11.5
Compatibility with Seals	FMVSS 116	Pass
Water Absorption Tendency	-	Hygroscopic
Corrosion Resistance	FMVSS 116	No corrosion

