

BRAKE FLUID DOT 5

Product Description

Brake Fluid DOT 5 is a high-performance silicone-based brake fluid formulated for extreme service conditions. Unlike glycol-based fluids (DOT 3, 4, 5.1), it does not absorb moisture, making it ideal for applications where long-term stability, corrosion resistance, and high-temperature protection are required. It is not compatible with glycol-based brake fluids and should only be used in systems designed for DOT 5.

Product Features & Benefits

- Non-hygroscopic (does not absorb moisture)
- Excellent long-term stability and corrosion protection
- Outstanding high-temperature performance
- Compatible with rubber components in DOT 5 systems

Application

- Classic cars, collector vehicles
- Military vehicles
- Racing motorcycles & motorsport use
- Brake systems that require DOT 5 silicone-based fluid
- Not recommended for ABS unless specified by the manufacturer

Typical Properties

Property	Method	Unit
Appearance	Visual	Clear / Purple
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	~3.5 mm ² /s
pH Value	Not applicable	Neutral (silicone)
Moisture Absorption	-	Non-hygroscopic
Rubber Compatibility	FMVSS 116	Pass
Corrosion Test	FMVSS 116	No corrosion

Meets or Exceeds

- FMVSS 116 DOT 5
- SAE J1705
- MIL-PRF-46176B

Storage & Handling

- Store in sealed containers
- Avoid contamination with other brake fluids (esp. DOT 3/4/5.1)
- Keep away from painted surfaces
- Shelf life: 3 years unopened

