



FOR THE **ROAD** AHEAD



## ARKOS BRAKE FLUID DOT 4

### Brake Fluid

ARKOS BRAKE FLUID DOT-4 is manufactured with synthetic components like Glycol Ether and Glycols with antioxidant inhibitors and other high performance additives, which gives better protection against corrosion and vapour lock.

#### Benefits

- Exceptional thermal stability
- Excellent chemical stability
- Good water tolerance
- Very good fluidity at low temperatures

#### Applications

ARKOS BRAKE FLUID DOT-4 is designed for better performance than DOT-3 brake fluid especially with operation at higher temperatures. It has a higher vapour lock point than conventional DOT-3 brake fluid. It is fully compatible with other fluids meeting FMVSS 116 DOT-3, DOT-4 and DOT-5.1, however it is advised not to mix different grades for superior performance. It is recommended to change the brake fluid once in TWO years and it is recommended to use the brake fluid completely from the bottle once open.

#### Performance Specifications

##### Conditions Of Use

ARKOS BRAKE FLUID DOT-4 is not compatible with mineral based brake fluid and hence shall not be mixed or used in operating system with mineral oil-based brake fluid. Since it is Glycol Ether based it will affect the paintwork; hence any such contact shall be avoided.



## Storage

The container shall be stored in cool and dry place. Once open it shall be used immediately as it is hygroscopic in nature and deteriorate on absorption of moisture. Its self-life is 24 months in sealed condition.

## Characteristics (Typical Values)

ARKOS BRAKE FLUID DOT 4		
TEST PARAMETERS	LIMITS FMVSS DOT4	TYPICAL VALUES
Appearance	Clear, homogenous liquid meets free form Water, Dirt, Sediments	Meets the requirement
Color	N.A.	Pale Amber
Equilibrium Reflux	Boiling pt.,0C230min.	242
Wet ERBP,0C	155min.	162
Kinematics Viscosity, mm2/Sec. a) at minus 40 °C at 100 °C	1800max. 1.5min.	1740 2.08
Ph Value	7.0 to 11.5	8.65
Brake Fluid stability a) High Temperature stability change in ERBP, °C Max b)Chemical stability °C change in ERBP of mixture °C max.	3+0.05 for each degree above 225 0C 3+0.05 for each degree above 2250C	2 2
Corrosion Test: at 1000C for 120hrs.	0.2 0.2 0.1	0.0174 0.0184 0.0049
a) Mass change, mf/cm 2, max Tinned Iron Steel	0.2 0.4	0.0278 0.0292



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Aluminum Cast Iron Brass Copper	0.4	0.0312
b) Connection of Metal Strip	No visible pitting or Etching No jelling	No pitting or Etching No jelling
c) Appearance of test fluid in jar at 23 + 5 °C	None	None
d) Crystalline deposit it on the walls or jar and metal strips.	0.10Max 7.0 to 11.5	Nil 8.46 No disintegration.
e) Sediments, % by volume	No disintegration as Evidenced by blisters of Sloughing	
f) pH of Test Fluid		
g) Effect on Rubber cup (SBR)	15Max.	5
i) Appearance	1.6Max	0.32
ii) Hardness. Decrease (IRHD)		
iii) Base Dia Increase, mm		

**Note:** Always consult your owner's manual to check for recommended viscosity grade and specifications of oil for your particular vehicle/machine/equipment.



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