



Product Specifications

Brake Fluid, DOT 4

Third Coast Chemicals DOT 4 Brake Fluid is designed to meet or exceed the following specifications.

Society of Automotive Engineers Specification J1704

**US Federal Motor Vehicle Safety Specification No. 116 DOT 4
International Standard ISO 4925
Japanese Industrial Standard JIS K 2233**

Specifications

Equilibrium Reflux Boiling Point (Dry)	450° F (230°C) Min.
Equilibrium Reflux Boiling Point (Wet)	314° F Min.
Water, Weight %	Report
Kinematic Viscosity @ -40° F	1,500 cSt Max.
Kinematic Viscosity @ 212° F	1.5 cSt Min.
pH	7 - 11.5
Corrosion Weight Change in mg. /sq. cm.	
Tinned Iron	0.2 Max.
Steel	0.2 Max.
Aluminum	0.1 Max.
Cast Iron	0.2 Max.
Brass	0.4 Max.
Copper	0.4 Max.
Zinc	0.4 Max.

No Pitting or Roughening of Test Coupons. No Jelling of Fluid/Water Mixture.
No Crystalline Deposit on Jar Walls or Test Coupons. No Disintegration of Rubber Cups

Sedimentation, volume % 0.10% Max.
pH of Water/Fluid Mixture 7 - 11.5

DOT 4 Brake Fluid Specifications (Cont.)

Decrease in Hardness of Rubber Cups 15 IRHD Max.
Increase in Diameter of Rubber Cups 0.055" (1.4 mm) Max.

Fluidity & Appearance @ -40° F

Air Bubble Travel Time 10 Sec. Max.
Appearance at Room Temperature No Stratification, Sedimentation
Sludging or Crystallization

Fluidity & Appearance @ -58° F

Air Bubble Travel Time 35 Sec. Max.
Appearance at Room Temperature No Stratification, Sedimentation
Sludging or Crystallization

Evaporation

Percent Weight Loss at Day 3 60% Max.
Percent Weight Loss at Day 7 80% Max.
Pour Point of Residue 23° F (-5° C) Min.

No Grittiness or Residue

Water Tolerance @ -40° F (-40° C)

Air Bubble Travel Time 10 Sec. Max.
Appearance Regain Clarity
No Stratification, Sedimentation
Sludging or Crystallization

Water Tolerance @ 140° F (60° C)

Sedimentation 0.15% Max.
No Stratification

Compatibility @ 40° F

No Stratification

Compatibility @ 140° F

Sedimentation 0.05% Max.

Resistance to Oxidation

No Pitting or Etching

Gum Deposits on Metal Strips	Of Metal Strips
Weight Loss in mg. / sq. cm.	Trace
Aluminum	0.05 Max.
Cast Iron	0.3 Max.

DOT 4 Brake Fluid Specifications (Cont.)

Effect on Rubber @ 158° F (70° C)

Hardness Decrease	10 IRHD Max.
Diameter Increase	0.006" – 0.055" 0.15mm to 1.40mm

Effect on Rubber @ 248° F (120° C)

Hardness Decrease	10 IRHD Max.
Diameter Increase	0.006" – 0.055" 0.15mm to 1.40mm

Stroking Properties

Pass

Color

Clear to Amber

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More detailed safety and disposal information on our products is contained in the Material Safety Data Sheet (MSDS). All users of our products are urged to retain and use the MSDS. You may request an advance or replacement copy by calling 281-412-0274.

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