



Product Specification

Brake Fluid, DOT 3 High Boil

DOT 3 High Boil Brake Fluid manufactured by Third Coast Chemical is designed to meet or exceed the following specifications.

**Society of Automotive Engineers Specification J1703
US Federal Motor Vehicle Safety Specification No. 116 DOT 3**

Specifications

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|---|----------------|
| Equilibrium Reflux Boiling Point (Dry) | 450° F Min. |
| Equilibrium Reflux Boiling Point (Wet) | 284° 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 |
| High Temperature Stability Boiling Point Change | 5.4 F Max. |
| Chemical Stability Boiling Point Change | 5.4 F Max. |
| 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. |
| 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 |
| Decrease in Hardness of Rubber Cups | 15 IRHD |

DOT 3 High Boil Brake Fluid Specifications (Cont.)

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|---|---|
| Increase in Diameter of Rubber Cups | 0.055" Max. |
| Fluidity & Appearance @ -40° F | No Stratification, Sedimentation Sludging or Crystallization |
| Air Bubble Travel Time | 10 Sec. Max. |
| Appearance at Room Temperature | No Stratification, Sedimentation Sludging or Crystallization |
| Fluidity & Appearance @ -58° F | No Stratification, Sedimentation Sludging or Crystallization |
| 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 Min. |
| | <u>No Grittiness or Residue</u> |
| Water Tolerance @ -40° F | |
| Air Bubble Travel Time | 10 Sec. Max. |
| Appearance | Regain Clarity No Stratification, Sedimentation Sludging or Crystallization |
| Water Tolerance @ 140° F | |
| Sedimentation | 0.15% Max. No Stratification |
| Compatibility @ 40° F | No Stratification |
| Compatibility @ 140° F | No Stratification No Sedimentation |
| Resistance to Oxidation | No Pitting or Etching Of Metal Strips |
| Gum Deposits on Metal Strips | Trace |
| Weight Loss in mg. / sq. cm. | |
| Aluminum | 0.05 Max. |
| Cast Iron | 0.3 Max. |

DOT 3 High Boil Brake Fluid Specifications (Cont.)

Effect on Rubber @ 158° F

Hardness Decrease

Diameter Increase

10 IRHD Max.

0.006" – 0.055"

Effect on Rubber @ 248° F

Hardness Decrease

Diameter Increase

No Disintegration

10 IRHD Max.

0.006" – 0.055"

Color

Clear to Amber