Barsol K-100 Universal Green Conventional Coolant

Specification Sheet

Test/Property	Method	Result
Color	Visual	Green (optional Pink, Clear)
Relative Density (Specific Gravity)	ASTM D1122	1.125
Freeze Point @ 50% in Water	ASTM D1177	-35.5° F (-37.5° C) (Limit -34.0° F or -37.0° C Max)
Boiling Point (Heat)	ASTM D1120	326° F (165° C)
Boiling Point (50% in Water)	ASTM D1120	226° F (108° C)
pH (EG Concentrate)	ASTM D1287	10.7
Effect on Auto Finish	ASTM D1882	No Effect
Chloride	ASTM D3634	8 ppm (Limit 25 ppm)
Water Content	ASTM D1123	2.5%
Reserve Alkalinity	ASTM D1121	6.8 ML
Foaming Tendencies	ASTM D1881	35 ml / 1.16 sec. Break Time (Limit 150 ml 5.0 sec.)
Silicate as Si	ASTM D6130	250
Nitrite (NO_2)	ASTM D5827	2400
Molybdate (MoO_4)	ASTM D5827	<1
Phosphate as P	ASTM D6130	<1
Corrosion of Heat Rejecting Aluminum Surface	ASTM D4340	-0.01 mg/cm^2/week (1.00 mg/cm^2/week limit)
Cavitation/Erosion-Corrosion of Aluminum Water Pump	ASTM D2809	"10" of Possible 10
Corrosion in Glassware	ASTM D1384 Limits in ( )	Copper 4 mg (10) Solder 11 mg (30) Brass 2 mg (10) Steel 1 mg (10) Cast Iron 0 mg (10) Cast Aluminum 0 mg (30)
Simulated Service	ASTM D2570	Copper 12 mg (20) Solder 27 mg (60) Brass 1 mg (20) Steel 0 mg (20) Cast Iron 0 mg (20) Cast Aluminum 0 mg (60)
Glycol %	ASTM E202	95.0% Min
Military Compatibility		Pass
Military Storage Stability		Pass

If used as directed, Barsol K-100 will provide satisfactory performance in most cars and trucks including the following:

ASTM D-6210	John Deere	Mack Trucks
ASTM D-4985 (No SCA is Required)	CNH (Case, New Holland)	EMD
ASTM D-3306	Thermo King	GE Locomotive
Caterpillar (DEAC type)	International Truck & Engine Company	Waukesha
Cummins Engine	Volvo Trucks	Superior
Detroit Diesel Corp	Freightliner	Hercules
GMC Truck (7SE 296 Conventional)	Kenworth	Komatsu
Ford Motor Co.	Peterbuilt	Military CID AA 52624-A