

AGIP ANTIFREEZE EXTRA



AGIP ANTIFREEZE EXTRA is a nitrite, amine, phosphate free liquid for mixing with demineralized water in motor-vehicle cooling circuits.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP ANTIFREEZE EXTRA

Boiling point	°C	170
Freezing point dil. 50% water	°C	-38
Boiling point dil. 50% water	°C	110
Colour	-	turquoise
Mass density at 15°C	kg/l	1,130

PROPERTIES AND PERFORMANCE

- AGIP ANTIFREEZE EXTRA lowers the freezing point of the coolant. The extent to which the FP is lowered depends on the concentration used.
- It can be advantageously left in the system throughout the year - winter and summer alike.
- It has no acidic properties and so does not attack metals, even those very susceptible to acid action, such as aluminium, copper and soldering alloys.
- Its high level of alkalinity prevents any tendency towards corrosion, even after a long time in the cooling circuit.
- Its special antirust properties help to protect ferrous metals in contact with the cooling fluid.
- Its particular formulation minimizes scale formation even when hard water is used, so there is no loss of heat-exchange properties.
- Its marked antifoam properties help eliminate one factor which lowers the heat-exchange capacity between the coolant and the component parts of the system. This action is assured even when circulation is very rapid.
- It is compatible with rubber and will not cause swelling.
- Its presence raises the boiling point of the coolant and so its use improves high-temperature performance, too.

APPLICATIONS

AGIP ANTIFREEZE EXTRA is expressly formulated and marketed for mixing with demineralized water in the cooling systems of vehicles of all makes and types. When using the product it must be remembered that the extent to which the freezing and boiling points of the mixture are changed depends on the percentage of ANTIFREEZE EXTRA used. The following tables indicate the freezing-point obtainable with various percentages of AGIP ANTIFREEZE EXTRA.

% Volume	Freezing Point	Boiling Point
25	-12 °C	103 °C
33	-18 °C	105 °C
50	-38 °C	110 °C
60	-45 °C	112 °C

To obtain the best protection it is recommended that the product be used at a concentration of between 40% and 60% in water.

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SPECIFICATIONS

AGIP ANTIFREEZE EXTRA meets the requirements of the following specifications:

- CUNA NC 956-16 ed. '97
- FF.SS. cat. 002/132
- ASTM D 1384