

METALGUARD® E-5100

Low-Conductivity Coolant $\leq 100 \mu\text{S/cm}$

Ready-to-Use

Product Overview

WEBA Technology offers finished low-conductivity coolants for customers who do not have access to low-conductivity deionized water and/or ethylene glycol. **METALGUARD® E-5100** Coolant meets ASTM D8566, the specification for low-conductivity electric vehicle coolant, which has a requirement for finished coolant with ≤ 100 microsiemens/cm.

E-5100 Coolant can be used in electric vehicles requiring $\leq 100 \mu\text{S/cm}$ (microsiemens/cm). It should not be used in conventional internal combustion engine cooling systems. E-5100 Coolant maintains a stable, low-conductivity over long periods of time through its proprietary formulation of non-ionic corrosion inhibitors. This mechanism is essential to maintain safe operation of battery-powered vehicles.

E-5100 Coolant protects aluminum, copper, brass, stainless steel, and titanium, but it is not compatible with carbon steel, cast iron, or zinc/galvanized steel. It is compatible with most elastomers and other materials including silicon rubber, Viton, EPDM and graphite.

E-5100 Coolant is ready-to-use. Addition of any non-tested deionized, or even low-conductivity glycol, may increase conductivity and reduce corrosion protection. Conventional coolant should never be added to METALGUARD® E-5100 coolant and this coolant should not be used in internal combustion engine cooling systems. Additionally no dye or colorant of any type should be added to the finished coolant. Even a small amount of such ionic solutions will cause a dramatic increase in the fluid's electrical conductivity.



Product Specifications

METALGUARD E-5100 Coolant (50/50)

Visual	No color
Specific Gravity; 21°C (70°F)	1.070 - 1.080
pH	5.7 - 6.3
Freeze Point	-36°C (-34°F)
Electrical Conductivity	≤ 50 microsiemens/cm
ASTM D8566 conductivity	≤ 100 microsiemens/cm



Features & Benefits

- Ready-to-Use low-conductivity coolant for electric vehicles
- Protects: aluminum, copper, brass, stainless steel, and titanium
- Compatible with: most elastomers and other materials including silicon rubber, Viton, EPDM and graphite



ASTM Standards

- Meets ASTM D8566 for electric vehicles



Packaging

- 55-gallon / 208-liter drums
- 275-gallon / 1041-liter totes
- Bulk tank truck



Quality Control & Technical Support

WEBA's products must pass rigorous quality control tests. They are tested for conformance with any product specifications and industry standards. Certificate of analysis are provided with every shipment. WEBA Technology can help with many other questions relating to anti-freeze and glycols, and assist with issues on any products containing our inhibitor packages.

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