



EV-Cool

Extended Life Coolant for Electric Vehicles

TECHNICAL DATA SHEET

Product Description:

Veedol EV-Cool is a Ready-To-Use, 50:50 premix, Organic Acid Technology (OAT) based extended life anti-freeze coolant specially developed for use in thermal management of indirect cooled battery systems of electric vehicles.

It offers outstanding protection against temperature extremes and prevents overheating and frost damage. It provides extended protection against rust, corrosion and pitting caused by cavitation for all coolant system metals including but not limited to copper, solder, brass, cast iron, steel, stainless steel and aluminum. It also provides protection against and is compatible with the flux found in controlled atmosphere brazed (CAB) radiators.

Veedol EV-Cool formulated with ethylene glycol and organic corrosion inhibitors contains low silicate and is free from nitrites, amines, 2-EHA, and phosphates. It is compatible with a wide range of different engine coolant technologies.

Features/Benefits:

- Protection against corrosion of all standard metal alloys such as brass, copper, steel, solder, cast iron and aluminum.
- Excellent stability for extended service life
- Extended protection against rust and corrosion.
- Protection against cylinder liner pitting & cavitation erosion
- Minimizes hot surface scaling
- Compatible with CAB radiators.
- Efficient lubrication of water pumps.

Application:

Recommended for use in indirect cooling systems for battery packs of Electric Vehicles.

Typical Properties:

Test Parameter	Test Method	Typical Value
Colour	Visual	Blue
Specific Gravity @ 20°C	ASTM D 1122	1.072
pH	ASTM D 1287	8.1
Reserve Alkalinity, ml	ASTM D-1121	1.8
Freezing Point, °C	ASTM D 1177	-37
Foam volume, ml	ASTM D 1881	0
Foam Break time, seconds	ASTM D 1881	0
Boiling Point, °C	ASTM D 1120	108

The properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.