

HIGHTEC ANTIFREEZE COOLANT LCC 100

Description

HIGHTEC ANTIFREEZE COOLANT LCC 100 is a specially developed coolant for electric vehicles and high-voltage systems with cold plate cooling. It combines high thermal performance with extremely low electrical conductivity (< 100 µS/cm) and thus offers maximum safety for battery modules, inverters and power electronics.

Application

- Battery modules with cold plate cooling
- High-voltage architectures (400-800 V)
- Power electronics, inverters, electric motors
- Development vehicles, test benches, pre-series

Specifications

- ASTM D8584
- GB/T 29743.2

Advantages

- Low conductivity < 100 µS/cm (even after ageing)
- Long-term corrosion protection for aluminum, copper and steel
- High thermal stability for continuous and high-load operation
- Compatible with common elastomers and polymers
- Miscible with deionized/DI water (recommendation: do not mix with standard coolants)
- Corrosion protection: complies with ASTM D1384, ASTM D4340 etc.
- Material compatibility: tested according to ASTM D471
- Internal corrosion tests successfully passed
- Suitable for OEM specifications after approval test

Notes

- **Storage & Handling:**
- Store in a cool and dry place, protect from sunlight
- Stable for at least 24 months in original packaging
- Do not mix with conventional coolants



Typical characteristics

| Property | Method | Unit | Value |
|----------------------------------|------------|---------|-----------|
| Density at 20 °C | ASTM D1122 | g/ml | 1.07 |
| pH | ASTM D1287 | - | 7,8 |
| Freezing point | | °C / °F | -40 / -40 |
| Boiling point | | °C / °F | 108 / 226 |
| Electrical conductivity at 20 °C | ASTM D1125 | µS/cm | < 100 |

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

