

COVEN FP40FC40

Fluorinert Electronic Liquid

COVEN FP40FC40 fluorinated liquid has excellent heat transfer ability, good insulation performance, excellent environmental protection performance and good material compatibility, and is currently the mainstream semiconductor dry etching, wafer testing, packaging testing and other semiconductor manufacturing processes used in the liquid cooling medium; At the same time can also be used as leak detection, thermal shock test, insulation test, high temperature aging test and other widely used engineering liquid; Its high voltage impact resistance, can also be used for EMU traction transformer cooling working medium.

FEATURE

- High insulation and good thermal stability
- Low surface tension
- Immiscible with water to avoid damaging the component
Good material compatibility
- Low environmental impact, zero ODP
- Non-flammable

- Can be used as high-temperature electronic products cleaning treatment agent.
- Can be used for side leakage, thermal shock test, insulation test, high temperature aging test, and other widely used engineering liquid.

LIQUID PROPERTIES

Properties	COVEN FP40FC40
Boiling point	155 – 165°C
Freezing point	-80°C
Flash point	None
Liquid density, 25°C	1.82 g/ml
Dielectric loss (10 MHz)	0.00418
Refractive index	1.308
Kinetic viscosity, 25°C	0.8 cps
Thermal conductivity, 25°C	0.0989 W/mK
Dielectric strength (25mm)	> 50 kV
Dielectric constant (1 MHz)	4.75 @1MHz
Volume resistivity	> 1.579 x 10 ¹⁰ Ohm-cm
Specific heat	1.151 J/gK
Surface tension	17.5 dynes/cm

SHELF LIFE

When COVEN FP40FC40 is stored below 40°C, the shelf life is 36 months in sealed containers.

STORAGE

It should be stored in a clean, dry, well-ventilated, room temperature below 40° C warehouse, away from light, to prevent high-temperature sun, away from heat sources, acids, alkalis, and oxidants, and can not be mixed with acid and alkali substances storage; Please seal it immediately after using as it is volatile.

COVEN FP40FC40 is colorless, transparent liquid, no flash point, non-flammable, according to non-dangerous goods transportation, should avoid violent oscillation during transportation, and avoid inversion when stacking.

CAUTION

When using this product, you should follow the information and recommendations provided in our chemical safety technical manual. Basic precautions for handling chemicals should also be in place

For specific information on this product, consult the Material Safety Data Sheet.

APPLICATION:

- Can be used for semiconductor dry etching, wafer testing, packaging, and other heat transfer cooling working medium.
- Can be used for EMU traction transformer cooling working medium.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.