

FP3104

Electronic grade coating

FP3104 electronic grade coating protection agent is a fluoropolymer protection product with hydroplane as solvent, which is used for moisture and corrosion protection of printed circuit boards and electronic component. It can be coated quickly to form a very thin film, which has excellent hydrophobic and oleophobic properties. No additional curing process is required and it is very easy to coat, remove and rework. The solvents and polymers in the FP3104 electronic grade coating protection fluorinated solution are very safe substances, do not damage the ozone layer, and meet the requirements of RoHS. The polymer contains an orange-yellow dye group that fluoresces under blue or ultraviolet light, which facilitates coating detection and quality control in the production process

FEATURE

- Excellent hydrophobic and oleophobic
- High insulation and good thermoelectric stability
- Strong weather resistance
- Low environmental impact
- Non-flammable
- RoHS compliance

APPLICATION RANGE

- Can be used for anti-stick coating, liquid crystal display, micro motor or MEMS (microelectromechanical system) components
- Can be used for anti-migration coating, display, spindle motor or lubricating electronic parts
- Can be used for moisture-proof anti-corrosion coating for various materials and components

LIQUID PROPERTIES

Properties	FP3104
Chemical nature	Fluoropolymer
Color	transparent
Solid content	4% weight
Solvent type	Hydrofluoroether
Density (g/ml at 20°C)	1.6
Flash point	None
Recommend coating thickness	0.2 um

FILM PROPERTIES

Properties	FP3104
Appearance	Colourless
Glass transition temperature	46.8°C
Heat resistance of dry film	175°C, 24hr

APPLICATION TECHNIQUE

- This material can be applied by spray, dip, brush or selectively deposited
- It can be dried at room temperature, the surface drying time is about 5 minutes.

SHELF LIFE

When FP3104 is stored at 16 – 27°C, the shelf life is 36 months

STORAGE

The product should be stored in a clean, dry, well ventilated, and in order to avoid thermal decomposition, the coating solution should not be heated above 150°C (302°F), and the dry fluorine-containing polymer film should not be heated above 250°C (482°F). When the storage strips are stored at 16 - 27°C (60-80°F) and at a relative humidity of less than 60%, and in the unopened container of the original package, the quality is guaranteed

CAUTION

1) The normal protection and industrial hygiene regulations of the local chemical treatment must be observed, and the thermal decomposition products must not be inhaled. Avoid skin contact with high-temperature substances.

2) Do not eat, drink or smoke when using this product. Clean thoroughly after operation. Avoid release into the environment. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid, etc.).

3) 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.

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.