

KOLARY™ 7131 Conformal Coating

INTRODUCTION

KOLARY™ 3131 is an electronic-grade conformal coating based on fluorinated polymer technology. It is designed to provide effective moisture, chemical and corrosion protection for printed circuit boards (PCBs), flexible PCBs (FPCBs), capacitors and other sensitive electronic components.

The coating forms an ultra-thin protective layer with excellent hydrophobic performance while maintaining high transparency and electrical insulation properties.

ADVANTAGES & FEATURES

- Excellent resistance to water and moisture
- Ultra-thin nano-scale coating thickness
- Quick drying and easily removable
- Non-flammable
- Easy to apply
- Good damp heat resistance
- RoHS compliant

PHYSICAL PROPERTIES

Appearance	Colorless liquid
Ingredient	Fluorinated polymer
Solid Content (%)	2.0-10.0
Boiling point (°C)	72-82
Transmittance (%)	Min.91.0
Coating Thickness (min)	1
Contact Angles (Static, Water)	Min.115°
Contact Angles (Static, Hexadecane)	Min.75°
Surface Tension (mN/m)	10-16
Dielectric Constant	3.1
Volume Resistivity ($\Omega \cdot m$)	Min.10 ¹⁴
Surface Resistivity (Ω)	Min.10 ¹⁴

Typical values are not intended for specification purposes.

APPLICATIONS

KOLARY™ 3131 is suitable for spray, dip, roller and brush coating processes.

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KOLARY™ 3131 is recommended for moisture, chemical and corrosion protection of PCBs, FPCBs, capacitors and other sensitive electronic components.

KOLARY™ 3131 provides anti-migration protection for spindle motors and lubricated electronic parts.

PACKING

KOLARY™ 3131 is supplied in 1kg bottle and 25kg plastic drum.

STORAGE

When stored in the original unopened container in a cool and dry place, KOLARY™ 3131 has a shelf life of 24 months from the date of manufacture.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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