

ECOAT SOLUTIONS

PRODUCT INFORMATION

ECS 1304AG-1310AG

ULTRAHYDROPHOBIC NANO-CERAMIC THERMAL INSULATING COATING

ECS 1300AG Thermal Insulating Series offers unparalleled protection of electronic components from heat, moisture, and other contaminants utilizing next-generation nano-ceramics. The ECS 1300AG series has been specifically formulated for use on electronics. All ECS 1300AG Series coatings are fluoropolymer free. The coatings are easy to apply and offer best in class moisture protection. The ECS 1300AG Thermal Insulating Series have been specifically designed to effectively block external thermal energy. These coatings are extremely effective for systems requiring thermal energy to be blocked to protect vulnerable components. Available in clear, semi-clear and black

Key Performance Properties

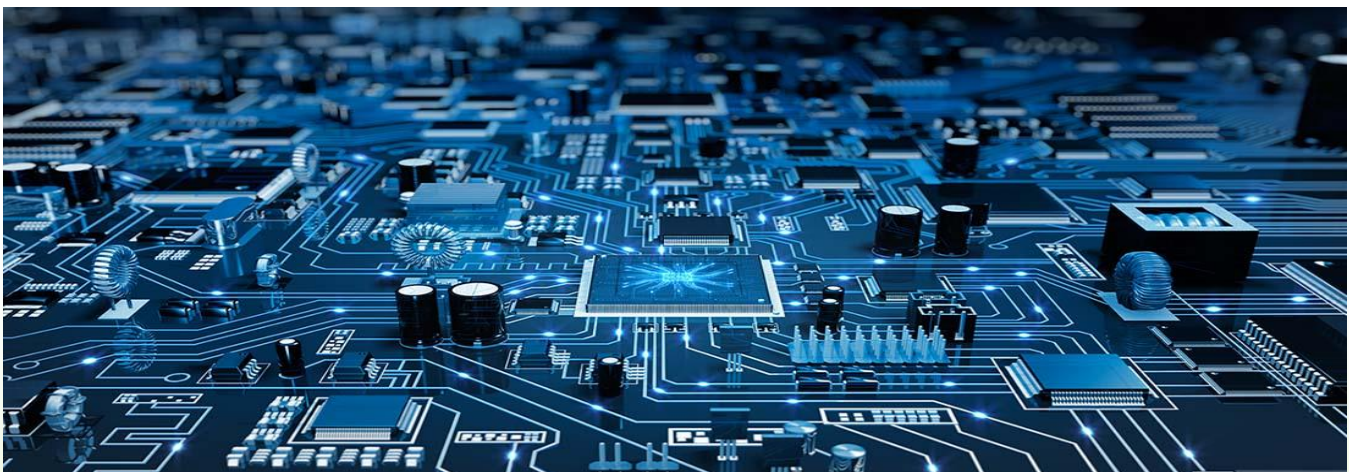
- Thermal management via thermal transfer.
- Electrically non-conductive
- Highly hydrophobic.
- Extreme anti-corrosion.
- Excellent adhesion.
- Thin film thickness (12 – 25 microns)
- One component coatings.
- Applied via spray, wipe, or dipping.
- Quick drying with ambient air cure (accelerated heated curing possible).
- Single coat required for vast majority of applications.
- No odor or fumes when heated.
- Inert material once cured.
- Environmentally friendly – contains no fluorocarbons.
- RoHS, REACH and WEEE compliant.

Common Applications

- Heatsinks
- PCBAs / electronic circuit boards
- Consumer Electronics
- Wearables
- Optics
- Micro-motors
- Connectors
- Sensors

Available Products

- ECS 1304 AG – (SEMI-CLEAR – 12 microns)
- ECS 1305 AG – (SEMI-CLEAR – 12+ microns)
- ECS 1310AG – (BLACK – 12-25 microns)



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