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PRESS RELEASE



Breakthrough Packaging Technology for Electronics Industry

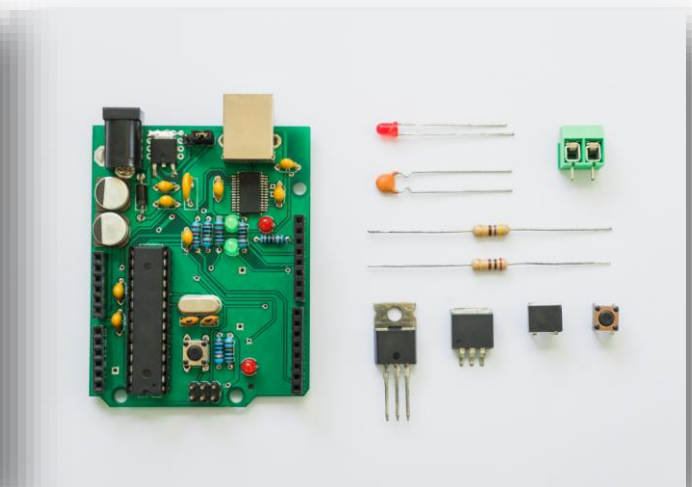
Protect Your Sensitive Electronics with Commercially Compostable Electrostatic Dissipating Film!

We are pleased to announce that the new Eco Works® ESD is available from our Croatian bioplastics plant, EcoCortec®. This proprietary “green” Eco Works® ESD technology encompasses a range of formulations that include environmentally responsible and static dissipating features. These formulations can be customized to meet the precise needs of the customer. Designed with the environmental safety in mind, Eco Works® ESD contains renewable raw materials of up to 30% biopolymer, depending on the formulation, as well as anti-static properties, which reduce or eliminate static buildup.



Eco Works® ESD Film® made from renewable raw materials such as sugar and corn disintegrates into carbon dioxide and water within months in a commercial composting environment.

Carefully created to replace traditional low density and high density films, Eco Works® ESD is suitable for industrial uses. It conforms to ASTM D6400 and EN 13432 standards for commercially compostable films. The exact time needed for Eco Works® ESD products to compost is dependent upon the conditions and activity of the disposal environment (temperature, soil quality, activity of microorganisms). When placed in a typical commercial composting environment, Eco Works® ESD films will compost within a matter of months. Since microorganisms are the means for degradation, Eco Works® ESD is shelf and curb stable and will retain its integrity until disposed of properly. Eco Works® ESD films can be curtailed to meet the requirements of customer's application ranging from flexible to rigid films.



Eco Works® ESD film and bags are recommended for packaging of static sensitive components where triboelectric charge generation is a concern. Applications include packaging of integrated circuits, printed circuit boards, PCB components, telecommunications equipment, electronic and electrical panels, and enclosures.

FEATURES

- Renewable content (10% and 30% biopolymer)
- Contains NO POLYETHYLENE
- Shelf and curb stable
- Comparable to HDPE
- Conversion to CO₂ and H₂O in months under commercial composting conditions
- Contains permanent anti-static agent
- Does not affect optical properties
- Does not affect plastics used in electronics industry
- Conforms to ASTM D 6400 and EN 13432
- No ill effects on solderability of PCB, meeting the requirements of IPC-J-STD-003C, Am1 (Edge Dip Solderability Tests)

Antistatic Properties

Military Standards: MIL-PR5-81705 Test Method No101C, Method 4046 International standard: IEC 61340-5-1			
Surface Resistivity (Ohm/Sq)		Static Decay Rate (sec)	
Limit 1.0×10^5 to 1.0×10^{12}		Limit 2 seconds	
Outside	Inside	+ 5000 Volts	- 5000 Volts
$1,8 \times 10^{10}$	$1,7 \times 10^{10}$	0,19	0,23





Eco Works® ESD film is now available worldwide from the Croatian EcoCortec® facility, located in the green area of the Baranja region.

To learn more about Eco Works® ESD film, including antistatic and mechanical properties, please visit:

<https://www.cortecvci.com/Publications/PDS/Eco-Works-ESD-EcoCortec.pdf>

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