Developed to eliminate at- or post-assembly product loss associated with ESD events and the additional costs due to label failure and rework, Polyonics® ESD Plus polyimide labels are chemically engineered with a highly-durable top surface and the dual protection of a low-charging label peel and a static dissipative face. The patent-pending technology of our thermal transfer printable labels is ANSI S20.20 compliant, withstands highly active fluxes and chemicals, meets critical ANSI/ESDA standards, and delivers the ultimate in ESD protection from label peel through the entire product life.

THE ULTIMATE PROTECTION FOR YOUR ESD SENSITIVE COMPONENTS

FEATURES AND BENEFITS

- Static dissipative top surfaces offer surface resistances of $\geq 10^4$ and $\leq 10^9$ Ohms
- Low charging PSA and liners generate less than 50 volts with removal and again if repositioned or removed post process
- High and low temperature dimensional stability
- Durable topcoat resistant to abrasion and chemicals, including highly-corrosive, highly-active fluxes
- Eliminate product loss associated with ESD events and additional cost due to label failure and rework
- Compliant with ANSI/ESD S20.20, ESD S541 and IEC 61340; JEDEC JESD 625B; REACH and RoHS; UL969 recognized; halogen free
- Ideal for use in PCB manufacturing of consumer, automotive, aerospace and medical electronics
### APPLICATIONS

- Identification and tracking of static sensitive PCBs, electronics devices, components, circuits, assemblies, etc.
- Asset tracking
- ESD packaging
- Warranty labeling

### POLYONICS ESD PLUS PRODUCT LINE

<table>
<thead>
<tr>
<th>Product</th>
<th>Film</th>
<th>Finish</th>
<th>Adhesive</th>
<th>Features</th>
<th>Recommended Ribbons</th>
<th>Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>XF-733</td>
<td>1 mil (25 μm) Polyimide</td>
<td>Gloss white</td>
<td>1 mil (25 μm) Acrylic</td>
<td>• REACH and RoHS • ESD-Safe • Static dissipative ($\geq 10^4$ and $\leq 10^9$) • Low charging PSA and liner (&lt; 50 V) • ORH1 flux and abrasion resistant • UL969 recognized</td>
<td>DNP R510HF Ricoh B110CR Armor AXR7+</td>
<td>100 hrs at 302 °F (125 °C) 5 min at 500 °F (260 °C) 90 sec at 572 °F (300 °C)</td>
</tr>
<tr>
<td>XF-734</td>
<td>2 mil (50 μm) Polyimide</td>
<td>Gloss White</td>
<td>1.5 mil (38 μm) Acrylic</td>
<td>• REACH and RoHS • ESD-Safe • Static dissipative ($\geq 10^4$ and $\leq 10^9$) • Low charging PSA and liner (&lt; 50 V) • ORH1 flux and abrasion resistant • UL969 recognized</td>
<td>DNP R510HF Ricoh B110CR Armor AXR7+</td>
<td>100 hrs at 302 °F (125 °C) 5 min at 500 °F (260 °C) 90 sec at 572 °F (300 °C)</td>
</tr>
</tbody>
</table>

For additional technical information, please contact us at 603.352.1415 or info@polyonics.com

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