Clevios™ Antistatic and Conductive Glass Coatings for Shielding Applications

Clevios™ conductive polymers, known for their transparent conductive and flexible properties on plastic substrates are now available with hard, glass-like properties.

Applicable by economic wet-coating processes, Clevios™ formulations offer coatings with high pencil hardness of 6-8H and 5B adhesion on glass after only 5 minutes thermal curing at 120°C.

<table>
<thead>
<tr>
<th>Product</th>
<th>Application</th>
<th>Sheet resistance</th>
<th>Transmission*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clevios™ F EHO</td>
<td>Antistatic</td>
<td>1E7–9E10 Ohm/sq</td>
<td>98–99%</td>
</tr>
<tr>
<td>Clevios™ F ELO</td>
<td>Conductive</td>
<td>400–1500 Ohm/sq</td>
<td>95–99%</td>
</tr>
</tbody>
</table>

Typical properties, no specifications

*) transmission without glass
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Both products are ready to use formulations optimized to achieve coatings with maximum transmission, highest clarity, neutral color, and low light reflections.

Example: Clevios™ coatings in IPS LCD panels

The Clevios™ layers are not only scratch resistant but also highly stable and durable in damp- and dry-heat (85°C/85%rh; 80°C), as well as temperature cycle tests.

Clevios™ has good index matching with glass and low light reflection

Applications for Clevios™ F EHO/ELO include EMI shielding for IPS and in-cell touch LCD.

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