**Our Know-how – Your Advantage**

The EC and EC/PA series are your material solutions for applications with requirements on electrical conductivity. The materials come with low resistivity and good adhesion to polypropylenes or polyamides. The compounds are halogen-free according to IEC 61249-2-21. They are available in black colors only.

- TPE material with excellent electrical conductivity
- Different levels of resistivity reachable
  - EC/PA series: Resistivity <10³ Ω cm
  - EC series: Resistivity 10¹ Ω cm
- Adhesion to PA6, PA6.6 or PP in multi-component injection molding
- Soft, non-sticky haptic
- Thermoplastic processing
- In-process recycling possible

**Typical Applications**

- Stylus
- Dead man’s switch
- ESD protection
- Sensors
- Cable management
- Flexible conductors

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>TC8NEG-BLCK (EC/PA series)</th>
<th>TC8OEX-BLCK (EC series)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electr. resistivity</td>
<td>Ω cm</td>
<td>&lt; 10³</td>
</tr>
<tr>
<td>Density</td>
<td>g/cm³</td>
<td>0.960</td>
</tr>
<tr>
<td>Hardness</td>
<td>Shore A</td>
<td>83</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>MPa</td>
<td>9.0</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>%</td>
<td>550</td>
</tr>
<tr>
<td>Tear resistance</td>
<td>N/mm</td>
<td>35.0</td>
</tr>
<tr>
<td>Flow Spiral 200 °C</td>
<td>cm</td>
<td>55</td>
</tr>
<tr>
<td>Color</td>
<td>black</td>
<td>black</td>
</tr>
<tr>
<td>Adhesion to</td>
<td>PA6, PA6.6, PP</td>
<td>PP</td>
</tr>
</tbody>
</table>

**Talk to Our Experts!**

**KRAIBURG TPE GMBH & CO. KG - EUROPE, MIDDLE EAST, AFRICA**

email: info@kraiburg-tpe.com

**KRAIBURG TPE TECHNOLOGY (M) SDN. BHD. - ASIA PACIFIC**

email: info-asia@kraiburg-tpe.com

**KRAIBURG TPE CORPORATION - AMERICAS**

email: info-america@kraiburg-tpe.com

---

Dr. Johannes Krückel

Key Account Manager Team Industry

“The functional requirements for TPEs are increasing. To serve our customers now and in the future from a single source, we have expanded our portfolio to include electrically conductive TPEs.”