



### 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 polyolefines 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
  - » Resistivity  $< 10^3 \Omega \text{ cm}$
  - » Resistivity  $< 10^1 \Omega \text{ cm}$
- Adhesion to polyamides in multi-component injection molding
- Adhesion to polyolefins in multi-component injection molding
- Closed and uniform surface structure
- Thermoplastic processing
- Post-industrial recycling possible
- Material available for sampling:
  - » EC series (Adhesion to PP)
  - » EC/PA series (Adhesion to PA)

### Dr. Johannes Krüchel

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.”

### Typical Applications

- Stylus
- Dead man’s switch
- Sensors
- Cable management



### Technical Data

		TC8NEG-BLCK	TC8OEX-BLCK
Electr. resistivity	$\Omega \text{ cm}$	$< 10^3$	$< 10^1$
Density	$\text{g/cm}^3$	0.960	0.990
Hardness	Shore A	83	83
Tensile strength	MPa	9.0	8.0
Elongation at break	%	550	500
Tear resistance	N/mm	35.0	34.5
Flow Spiral 200 °C	cm	55	25
Color		black	black
Adhesion to		PA6, PA6.6, PP	PP, TPE

### GET IN TOUCH WITH OUR EXPERTS!

**KRAIBURG TPE GMBH & CO. KG - EUROPA, NAHER OSTEN, AFRIKA**

✉ [info@kraiburg-tpe.com](mailto:info@kraiburg-tpe.com)

**KRAIBURG TPE TECHNOLOGY (M) SDN. BHD. - ASIEN PAZIFIK**

✉ [info-asia@kraiburg-tpe.com](mailto:info-asia@kraiburg-tpe.com)

**KRAIBURG TPE CORPORATION - AMERIKA**

✉ [info-america@kraiburg-tpe.com](mailto:info-america@kraiburg-tpe.com)