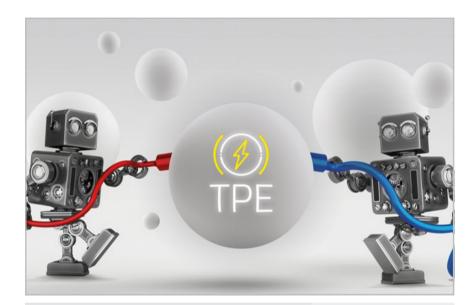


Electrically Conductive TPE Materials





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 $< 10^3 \Omega$ cm
 - » EC series: Resistivity $10^{1} \Omega$ 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

		TC8NEG-BLCK (EC/PA series)	TC80EX-BLCK (EC series)
Electr. resistivity	Ωcm	< 10 ³	10¹
Density	g/cm³	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	33.0
Flow Spiral 200 °C	cm	55	25
Color		black	black
Adhesion to		PA6, PA6.6, PP	PP

Johanna Schmid

Market specialist

"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."

TALK TO OUR EXPERTS!

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



info@kraiburg-tpe.com

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



info-asia@kraiburg-tpe.com

KRAIBURG TPE CORPORATION - AMERICAS



info-america@kraiburg-tpe.com