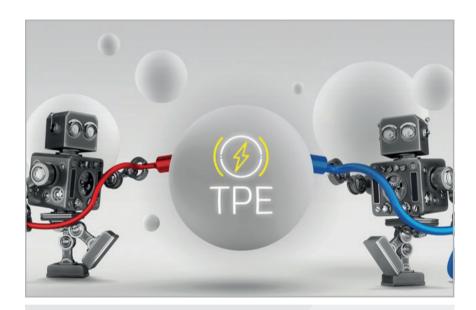


Electrically Conductive TPE Materials





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 polyolefines or polyamides. The compounds are halogenfree 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 $< 10^3 \Omega$ cm
 - » Resistivity $< 10^{1} \Omega$ 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 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."

Typical Applications

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







Technical Data

		TC8NEG-BLCK	TC80EX-BLCK
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	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



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