



Typical Applications

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



Picture: ©A2Mac1

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 $<10^3 \Omega \text{ cm}$
 - » EC series: Resistivity $10^1 \Omega \text{ cm}$
- Adhesion to PA6, PA6.6 or PP in multi-component injection molding
- Soft, non-sticky haptic
- Thermoplastic processing
- In-process recycling possible

Technical Data

		TC8NEG-BLCK (EC/PA series)	TC8OEX-BLCK (EC series)
Electr. resistivity	$\Omega \text{ cm}$	$< 10^3$	10^1
Density	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	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!

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