Product information

Brand Name	Product Code	Series
THERMOLAST® K	TC7NEG-BLCK	EC/PA

The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication and may be subject to revision from time to time as new knowledge and data becomes known to us. All stated values are typical values observed by us based on limited sample test results and are not a product specification. The responsibility to conduct testing to determine (i) suitability of use for a particular process or end-use applications, (ii) associated interactions with other product components, and (iii) any resulting safety risks remains with the customer and end user.

Please note that, as compound manufacturer, we are generally not aware of the subsequent area of application and the associated interactions with other product components, as well as any resulting safety risks, unless you discuss this with us in advance. For this reason, the use of this compound in safety-relevant applications is not permitted without our prior written consent.

Electrically conductive TPE applications with PA and PP adhesion

Processing Method
Injection Molding

Manufacturing Site
Germany

Color / RAL DESIGN
black

Availability
Globally

Typical applications
- Electric and electronic components
- Stylus
- Grip applications
- Grommets
- Flexible conductors
- ESD protection
- Dead man's switches
- Sensors

Material advantages
- Electrical conductivity
- Low resistivity
- Adhesion to PA6 and PA6.6
- Soft, non-sticky haptic
- Adhesion to PP
- Halogen-free (according to IEC 61249-2-21)
- In-process recycling possible

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

Datasheet

Brand Name	Product Code	Series
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Product properties	Value	Unit	Standard
Hardness	70	Shore A	DIN ISO 48-4
Density	0.970	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	9.0	MPa	DIN 53504/ISO 37
Elongation at Break[1]	600	%	DIN 53504/ISO 37
Tear Resistance	30.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)
Flow Spiral [760 bar, 200 °C]	58	cm	DSOP Lab 2032
Electrical resistivity	< 1000	Ω_{cm}	ISO 3915
Adhesion to PA 6[2]	7.0 (C)	N/mm	DIN ISO 813-2
Adhesion to PA 6.6[2]	6.5 (C)	N/mm	DIN ISO 813-2

[1]Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
[2]The adhesion quality depends on mold design, product geometry and process parameters.
All values published in this data sheet are rounded average values.

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The shelf life of the TPE granules is 24 months from delivery if storage instructions are observed and the product is stored in the unopened original KRAIBURG TPE packaging. Store in dry conditions at room temperature (below 40 °C) away from heat sources and direct sunlight! Contact with nitrogen oxides must be avoided during storage!

For further information and individual custom solutions please contact our customer service.

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