# Product information

| Brand Name | Product Code | Series |
|---|---|---|
| THERMOLAST® K | TF2CGT | FC |

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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.

Applications of Consumer daily life with regulatory requirements; adhesion to PP

## Processing Method
Injection Molding, Extrusion

## Manufacturing Site
Germany, Malaysia, United States

## Color / RAL DESIGN
translucent

## Availability
Globally

## Typical applications
- Household articles
- Function and design elements
- Grip applications
- Razors
- Toothbrushes
- Toys
- Packaging

## Material advantages
- Adhesion to PP
- Halogen-free (according to IEC 61249-2-21)
- Colorable
- In-process recycling possible
- ISCC PLUS ready (mass balance approach)

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

# Datasheet

| Brand Name | Product Code | Series |
|---|---|---|
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| Product properties | Value | Unit | Standard |
|---|---|---|---|
| **Hardness** | 18 | Shore A | DIN ISO 48-4 |
| **Density** | 0.880 | g/cm3 | DIN EN ISO 1183-1 |
| **Tensile Strength**[1] | 5.0 | MPa | DIN 53504/ISO 37 |
| **Elongation at Break**[1] | 800 | % | DIN 53504/ISO 37 |
| **Tear Resistance** | 8.0 | N/mm | DIN ISO 34-1 Method B (b) (Graves) |
| **CS 72 h/23 °C** | 12 | % | DIN ISO 815-1 Method A |
| **CS 24 h/70 °C** | 21 | % | DIN ISO 815-1 Method A |
| **CS 24 h/100 °C** | 55 | % | DIN ISO 815-1 Method A |

[1]Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
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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