Product information

Brand Name	Product Code	Series
THERMOLAST® K	TF4PAO	FC/AD/PA

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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 PA

Processing Method
Injection Molding

Manufacturing Site
Germany, Malaysia, United States

Color / RAL DESIGN
translucent

Availability
Globally

Typical applications
- Function and design elements
- Handles and grips for consumer applications
- Ear phones
- Toothbrushes
- Household articles
- Flexible Connections
- Cosmetic packaging

Material advantages
- Optimized mechanical properties
- Optimized flow properties
- Colorable
- Abrasion resistance
- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Adhesion to PA12
- ISCC PLUS ready (mass balance approach)

Regulations / Approvals
- Regulation (EU) No 10/2011
- US FDA CFR 21 (raw material conformity)
- EN71-3
- Compatible for HDPE Recycling certified by Cyclos HTP
- Compatible for PP Recycling certified by Cyclos HTP

KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

Datasheet

Brand Name	Product Code	Series
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Product properties	Value	Unit	Standard
Hardness	40	Shore A	DIN ISO 48-4
Density	0.920	g/cm3	DIN EN ISO 1183-1
Tensile Strength[1]	7.0	MPa	DIN 53504/ISO 37
Elongation at Break[1]	700	%	DIN 53504/ISO 37
Tear Resistance	11.0	N/mm	DIN ISO 34-1 Method B (b) (Graves)
Flow Spiral [760 bar, 200 °C]	70.0	cm	DSOP Lab 2032
Adhesion to PA 6.6[2]	4.0 (D)	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.
* Regulations a compound complies with and approvals granted are displayed here. Please note: All regulations and approvals for all compounds of a series are collectively shown in the overview of the respective product series, i.e. not all regulations and approvals shown in the overview apply to each individual compound.

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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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