

# THERMOLAST® K TC5PAN (Series: AD/PA)

Thermoplastic Elastomer  
KRAIBURG TPE

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## Technical Data

### Product Description

The AD/PA Series is your material solution for applications with excellent adhesion to PA. The compounds are available in natural and black colors.

#### Typical applications

- Cable clips
- Function and design elements
- Grommets
- Handles (hand tools and power tools etc.)
- Seals
- Thumb wheels

#### Material advantages

- Adhesion to PA6 and PA6.6 up to 50 % glass fiber
- Easy coloring (compounds in natural colors)
- Excellent adhesion
- Excellent processing behavior
- Insert molding possible
- Pleasant surface feel (Soft touch)
- UL 94 HB listed
- Wide hardness range 25-80 Sh A

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
UL Yellow Card <sup>2</sup>	• <a href="#">E353857-101117932</a> • <a href="#">E214822-586872</a>
Search for UL Yellow Card	• <a href="#">KRAIBURG TPE</a> • <a href="#">THERMOLAST® K</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Good Adhesion • Good Colorability • Good Processability • Soft
Uses	• Grommets • Handles • Seals
Appearance	• Natural Color
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.15 g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value Unit	Test Method
Tensile Stress <sup>4</sup> (Yield)	2.50 MPa	ISO 37
Tensile Elongation <sup>4</sup> (Break)	450 %	ISO 37
Tear Strength <sup>5</sup>	13 kN/m	ISO 34-1
Compression Set <sup>6</sup>		ISO 815
23°C, 72 hr	27 %	
70°C, 24 hr	78 %	
100°C, 24 hr	80 %	
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A)	48	ISO 7619
Flammability	Nominal Value Unit	Test Method
Flame Rating	HB	UL 94
Additional Information	Nominal Value Unit	Test Method
Adhesion to PA6	12.0 kN/m	Renault D41/1916

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Form No. TDS-98862-en  
Document Created: Sunday, May 22, 2016  
Added to Prospector: January 2007  
Last Updated: 9/25/2015



The information presented on this datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

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Additional Information	Nominal Value Unit	Test Method
Adhesion to PA66	10.0 kN/m	Renault D41/1916

Injection	Nominal Value Unit
Drying Temperature	60.0 to 80.0 °C
Drying Time	2.0 to 4.0 hr
Rear Temperature	230 to 245 °C
Middle Temperature	250 to 260 °C
Front Temperature	260 to 270 °C
Mold Temperature	40.0 to 60.0 °C
Injection Pressure	20.0 to 100 MPa
Back Pressure	2.00 to 10.0 MPa

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>3</sup> Typical properties: these are not to be construed as specifications.

<sup>4</sup> Type S2, 200 mm/min

<sup>5</sup> Method Bb, Angle (Nicked)

<sup>6</sup> Method A



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### Where to Buy

#### Supplier

##### **KRAIBURG TPE**

Duluth, GA USA

**Telephone:** 678-584-5020

**Web:** <http://www.kraiburgtpe.com/>

#### Distributor

##### **Chase Plastic Services, Inc.**

*Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here:*

*<http://www.chaseplastics.com/contact/locations>*

**Telephone:** 800-232-4273

**Web:** <http://www.chaseplastics.com/>

**Availability:** North America

##### **Resin Resource, Inc.**

**Telephone:** 877-652-3431

**Web:** <http://www.resinresourceinc.com/>

**Availability:** North America

