

**THERMOLAST® K TC7PAZ (Series: AD/PA)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

The AD/PA series is your material solution for applications with adhesion to PA. The compounds are available in black and natural colors. Natural color variants can be colored in many different ways.

**Typical applications**

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

**Material advantages**

- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Adhesion to PA12
- Halogen content (chlorine + bromine) < 900 ppm
- Dry haptics
- Colorable
- Temperature stability up to 90 °C

**Regulations / Approvals**

- DIN 75201-B - Fogging
- 49 CFR §571.302 (FMVSS 302)
- DIN EN ISO 105-B06 Methode 3
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- Renault 03-10-104
- GM GMW15702
- UL 94 HB

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Halogen: < 900 ppm		
Features	• Good Adhesion	• Good Colorability	• Good Thermal Stability
Uses	• Grommets	• Knobs	
	• Handles	• Seals	
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042	• MERCEDES BENZ DBL 5562	• VOLKSWAGEN 50123
	• GM GMW15702	• STELLANTIS B62 0300	
Appearance	• Black		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

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>2</sup> (Break)	508	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	350	%	ISO 37



Tear Strength <sup>3</sup>	97.1 lbf/in	ISO 34-1
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>
Shore Hardness (Shore A)	71	ISO 48-4
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>
Flame Rating	HB	UL 94
<b>Additional Information</b>	<b>Nominal Value</b>	<b>Unit</b>
Adhesion to PA6 - (D) <sup>4</sup>	34 lbf/in	VDI 2019
Adhesion to PA66 - (D) <sup>4</sup>	34 lbf/in	VDI 2019

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Two-component injection molding

