

## THERMOLAST® K TC4PCN (Series: AD/PA/CS)

### KRAIBURG TPE - Thermoplastic Elastomer

#### General Information

##### Product Description

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

##### Typical applications

- Seals
- Fastenings
- Grommets
- Cable holders
- Membranes

##### Material advantages

- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Optimized compression set
- Optimized flow properties
- Temperature stability up to 100 °C

##### Regulations / Approvals

- 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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Compression Set	• Good Flow • Good Thermal Stability	
Uses	• Fasteners • Grommets	• Membranes • Seals	
Automotive Specifications	• BMW GS 93042 • GM GMW15702	• MERCEDES BENZ DBL 5562 • STELLANTIS B62 0300	• VOLKSWAGEN 50123
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

#### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Break)	363	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	300	%	ISO 37
Tear Strength <sup>3</sup>	51.4	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	20	%	
158°F, 24 hr	31	%	
212°F, 24 hr	47	%	

##### Hardness

Nominal Value Unit

Test Method



Shore Hardness (Shore A)	37	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>5</sup>	17 lbf/in	VDI 2019
Adhesion to PA66 - (D) <sup>5</sup>	17 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> Method A

<sup>5</sup> Two-component injection molding

