

**THERMOLAST® K TC4PRN (Series: AD/PA/CS2)**
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

Sealing applications with increased requirements and adhesion to PA

Typical applications

- Seals
- Fastenings
- Grommets
- Cable clips
- Membranes

Material advantages

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

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Compression Set	• Good Thermal Stability
Uses	• Fasteners	• Membranes	
	• Grommets	• Seals	
Automotive Specifications	• MERCEDES BENZ DBL 5562		
Appearance	• Natural Color		
Processing Method	• Injection Molding		

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.10	g/cm <sup>3</sup>	ISO 1183
<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress <sup>2</sup> (Break)	508	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	450	%	ISO 37
Tear Strength <sup>3</sup>	57.1	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	20	%	
158°F, 24 hr	25	%	
212°F, 24 hr	35	%	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Shore Hardness (Shore A)	40		ISO 48-4
<b>Additional Information</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Adhesion to PA6 - (C) <sup>5</sup>	17	lbf/in	VDI 2019
Adhesion to PA66 <sup>5</sup>	20	lbf/in	VDI 2019

