

THERMOLAST® K TC6PRN (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

Regulations / Approvals

- UL 94 HB

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 ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	943	psi	ISO 37
Tensile Elongation ² (Break)	400	%	ISO 37
Tear Strength ³	88.5	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	30	%	
158°F, 24 hr	35	%	
212°F, 24 hr	50	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	60		ISO 48-4
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6 - (D) ⁵	31	lbf/in	VDI 2019
Adhesion to PA66 ⁵	31	lbf/in	VDI 2019

