

THERMOLAST® K TC4PCZ (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	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Adhesion	• Good Flow	
	• Good Compression Set	• Good Thermal Stability	
Uses	• Fasteners	• Membranes	
	• Grommets	• Seals	
Automotive Specifications	• BMW GS 93042	• MERCEDES BENZ DBL 5562	• VOLKSWAGEN 50123
	• GM GMW15702	• STELLANTIS B62 0300	
Appearance	• Black		
Processing Method	• Extrusion	• 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)	363	psi	ISO 37
Tensile Elongation ² (Break)	350	%	ISO 37
Tear Strength ³	48.5	lbf/in	ISO 34-1
Compression Set ⁴			ISO 815
73°F, 72 hr	20	%	
158°F, 24 hr	35	%	
212°F, 24 hr	50	%	

Hardness
Nominal Value Unit
Test Method


Shore Hardness (Shore A)	35	ISO 48-4
Flammability	Nominal Value	Unit
Flame Rating	HB	UL 94
Additional Information	Nominal Value	Unit
Adhesion to PA6 - (D) ⁵	17 lbf/in	VDI 2019
Adhesion to PA66 - (D) ⁵	17 lbf/in	VDI 2019

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type S2, 7.9 in/min

³ Method Bb, Angle (Nicked)

⁴ Method A

⁵ Two-component injection molding

