

THERMOLAST® K TC4PAN (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 • Asia Pacific	• Europe • Latin America	• North America
Additive	• Halogen: < 900 ppm		
Features	• Good Adhesion	• Good Colorability	• Good Thermal Stability
Uses	• Grommets • Handles	• Knobs • Seals	
Agency Ratings	• DIN 75201B		
Automotive Specifications	• BMW GS 93042 • GM GMW15702	• MERCEDES BENZ DBL 5562 • STELLANTIS B62 0300	• VOLKSWAGEN 50123
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	290	psi	ISO 37
Tensile Elongation ² (Break)	450	%	ISO 37



Tear Strength ³	57.1 lbf/in	ISO 34-1
Hardness	Nominal Value	Unit
Shore Hardness (Shore A)	42	ISO 48-4
Flammability	Nominal Value	Unit
Flame Rating	HB	UL 94
Additional Information	Nominal Value	Unit
Adhesion to PA6 - (B,D) ⁴	14 lbf/in	VDI 2019
Adhesion to PA66 - (B/D) ⁴	14 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 Two-component injection molding

