

THERMOLAST® K TC6PAZ (Series: AD/PA)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

- The AD/PA Series is your material solution for applications with excellent adhesion to PA. The compounds are available in natural and black colors.
- Typical applications
- Cable clips
- Function and design elements
- Grommets
- Handles (hand tools and power tools etc.)
- Seals
- Thumb wheels
- Material advantages
- Adhesion to PA6 and PA6.6 up to 50 % glass fiber
- Easy coloring (compounds in natural colors)
- Excellent adhesion
- Excellent processing behavior
- Insert molding possible
- Pleasant surface feel (Soft touch)
- UL 94 HB listed
- Wide hardness range 25-80 Sh A

General Information			
UL YellowCard	E353857-101117932	E214822-586872	
Features	Good Adhesion		
	Good Processability		
	Soft		
Uses	Grommets		
	Handles		
	Seals		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	58		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	3.00	MPa	ISO 37
Tensile Elongation ² (Break)	400	%	ISO 37
Tear Strength ³	16	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	29	%	
70°C, 24 hr	80	%	

100°C, 24 hr	81	%	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6	18.0	kN/m	Renault D41/1916
Adhesion to PA66	11.0	kN/m	Renault D41/1916
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	230 to 245	°C	
Middle Temperature	250 to 260	°C	
Front Temperature	260 to 270	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Pressure	20.0 to 100	MPa	
Back Pressure	2.00 to 10.0	MPa	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method Bb, Angle (Nicked)		
4.	Method A		

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