

THERMOLAST® K TC5PAZ (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)	48		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	2.50	MPa	ISO 37
Tensile Elongation ² (Break)	450	%	ISO 37
Tear Strength ³	13	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	33	%	
70°C, 24 hr	79	%	

100°C, 24 hr	80	%	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6	13.5	kN/m	Renault D41/1916
Adhesion to PA66	10.0	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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