

# THERMOLAST® K TP5VCZ (Series: AD1/CS)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The AD1/CS Series is your material solution for applications with excellent adhesion to polar thermoplastics such as ABS, PC and PC/ABS as well as excellent compression set. The compounds are available in natural and black colors.

- Typical applications
- Fastenings
- Grommets
- Membranes
- Seals
- Material advantages
- Easy coloring (compounds in natural colors)
- Excellent compression set
- Insert molding possible
- UL 94 HB listed

General Information	
UL YellowCard	E353857-101117947
Uses	Fasteners
	Grommets
	Membranes
	Seals
Appearance	Black
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	50		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	3.50	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	500	%	ISO 37
Tear Strength <sup>3</sup>	11	kN/m	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
	23°C, 72 hr	14	%
	70°C, 24 hr	43	%
	100°C, 24 hr	65	%
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS	4.0	kN/m	Renault D41/1916

Adhesion to PC	5.5	kN/m	Renault D41/1916
Adhesion to PC/ABS	6.0	kN/m	Renault D41/1916
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	180	°C	
Cylinder Zone 3 Temp.	200	°C	
Die Temperature	220	°C	
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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