

THERMOLAST® K TC5PCZ (Series: AD/PA/CS)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The AD/PA/CS Series is your material solution for applications with excellent adhesion to PA as well as outstanding 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	E214822-586867		
Features	Good Adhesion		
Uses	Fasteners		
	Grommets		
	Membranes		
	Seals		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	45		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	4.00	MPa	ISO 37
Tensile Elongation ² (Break)	400	%	ISO 37
Tear Strength ³	13	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	16	%	
70°C, 24 hr	36	%	
100°C, 24 hr	45	%	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA6	10.0	kN/m	Renault D41/1916
Adhesion to PA66	7.0	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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