

THERMOLAST® K TC7HBZ (Series: AD/POM)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

- The AD/POM Series is your material solution for applications with excellent adhesion to POM. The compounds are available in natural and black colors.
- Typical applications
- Bumpers
 - Function and design elements
 - Grommets
 - Handles (hand tools and power tools etc.)
 - Seals
 - Thumb wheels
- Material advantages
- Easy coloring (compounds in natural colors)
 - Excellent adhesion
 - Excellent processing behavior
 - Insert molding possible
 - Patented system for TPS and POM
 - Pleasant surface feel (Soft touch)
 - Suitable for automotive-interior
 - UV resistance

General Information			
Features	Good Adhesion		
	Good Processability		
	Good UV Resistance		
	Soft		
Uses	Automotive Interior Parts		
	Grommets		
	Handles		
	Seals		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	72		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	6.00	MPa	ISO 37
Tensile Elongation ² (Break)	600	%	ISO 37
Tear Strength ³	22	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	21	%	

70°C, 24 hr	66	%
100°C, 24 hr	67	%
Injection	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	180	°C
Middle Temperature	210	°C
Front Temperature	240	°C
Mold Temperature	80.0 to 110	°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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