

# THERMOLAST® K TC6TPN (Series: GP/AP)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The GP/AP Series is your material solution for technical applications with excellent adhesion to PP. The compounds are available in natural and black colors.

Typical applications

Function and design elements

Handles (tools, toolboxes, skipoles)

Soft touch for grips, switches and mats

Material advantages

Adhesion to PP

Easy coloring (compounds in natural colors)

Easy flowing

Excellent mechanical properties

Good weathering resistance

General Information			
Features	Good Adhesion		
	Good Colorability		
	Good Flow		
	Good Weather Resistance		
Uses	Handles		
	Soft Touch Applications		
	Switches		
Appearance	Natural Color		
Processing Method	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)	59		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	6.00	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	660	%	ISO 37
Tear Strength <sup>3</sup>	16	kN/m	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
23°C, 72 hr	18	%	
70°C, 24 hr	42	%	
100°C, 24 hr	70	%	
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	200	°C
Front Temperature	220	°C
Mold Temperature	25.0 to 40.0	°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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#### Recommended distributors for this material

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