

THERMOLAST® K TC5GPN (Series: GP/FG)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The GP/FG Series is your material solution for a variety of different applications. It is particularly appropriate for passenger compartments. The compounds are available in natural and black colors.

Typical applications

Car mats

Function and design elements

Handles (tools, toolboxes, skipoles)

Seals

Soft touch surface (thumb wheels, push buttons, switches)

Material advantages

Adhesion to PP

Easy coloring (compounds in natural colors)

Excellent mechanical properties

Excellent processing behavior

Fulfills specifications for automotive interior

Pleasant surface feel (Soft touch)

UL 94 HB listed

General Information			
UL YellowCard	E353857-101117931	E214822-586887	
Features	Good Adhesion		
	Good Colorability		
	Good Processability		
Uses	Automotive Interior Parts		
	Handles		
	Seals		
	Soft Touch Applications		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	7.50	MPa	ISO 37
Tensile Elongation ² (Break)	800	%	ISO 37
Tear Strength ³	14	kN/m	ISO 34-1
Compression Set ⁴			ISO 815

23°C, 72 hr	16	%
70°C, 24 hr	27	%
100°C, 24 hr	53	%

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

Extrusion	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	200	°C
Die Temperature	200 to 230	°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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