

## THERMOLAST® K TC3GPN (Series: GP/FG)

KRAIBURG TPE - *Thermoplastic Elastomer*

### General Information

#### Product Description

The GP/FG series is your material solution for a variety of applications. It is suitable for automotive interiors. The compounds are available in black and natural colors. Natural colored variants can be colored in many different ways.

#### Typical applications

- Car mats
- Seals for housings
- Function and design elements
- Bumpers
- Handles (hand tools and power tools etc.)
- Soft touch surface (thumb wheels, push buttons, switches)

#### Material advantages

- Adhesion to PP
- Soft touch surface
- Optimized mechanical properties
- Colorable
- Controlled level of emission and odor, suitable for automotive interior
- Dry haptics
- Halogen-free (according to IEC 61249-2-21)
- In-process recycling possible

#### Regulations / Approvals

- DIN 75201-B - Fogging
- VDA 270 B3 - Odor
- 49 CFR §571.302 (FMVSS 302)
- DIN EN ISO 105-B06 Methode 3
- PV 3930 Florida (1 year)
- PV 3929 Kalahari (1 year)
- VW 50123
- BMW GS 93042
- Daimler DBL 5562
- PSA B62 0300
- Renault 03-10-104
- Ford WSS-M2D507
- Ford WSS-M2D516
- GM GMW15702
- UL 94 HB

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Colorability • Halogen Free	• Low Emissions • Low Odor • Recyclable Material	• Soft
Uses	• Automotive Bumper • Automotive Interior Parts	• Fasteners • Handles	• Seals • Soft Touch Applications
Agency Ratings	• DIN 75201B		
Automotive Specifications	• FORD WSS-M2D507 • GM GMW15702	• MERCEDES BENZ DBL 5562 • STELLANTIS B62 0300	• VOLKSWAGEN 50123
Appearance	• Natural Color		
Processing Method	• Extrusion	• Injection Molding	

### Properties <sup>1</sup>



<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.10	g/cm <sup>3</sup>	ISO 1183
<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress <sup>2</sup> (Break)	798	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	750	%	ISO 37
Tear Strength <sup>3</sup>	74.2	lbf/in	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
73°F, 72 hr	15	%	
158°F, 24 hr	30	%	
212°F, 24 hr	65	%	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Shore Hardness (Shore A)	28		ISO 48-4
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating	HB		UL 94

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type S2, 7.9 in/min

<sup>3</sup> Method Bb, Angle (Nicked)

<sup>4</sup> Method A

