THERMOLAST® K TC4GPZ (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
- Handles (tools and power tools, adjustment lever, etc.)
- Air guide elements
- Air flap control
- Seals for housings
- Fasteners
- Cable clips
- Bumpers
- Joint sealing

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
- Mercedes-Benz DBL 5562
- Stellantis 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	• BMW GS 93042 • FORD WSS-M2D507	• GM GMW15702 • MERCEDES BENZ DBL 5562	• STELLANTIS B62 0300 • VOLKSWAGEN 50123

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Appearance	• Black	
Processing Method	• Extrusion	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Break)	870	psi	ISO 37
Tensile Elongation [2] (Break)	800	%	ISO 37
Tear Strength [3]	85.7	lbf/in	ISO 34-1
Compression Set [4]			ISO 815
73°F, 72 hr	18	%	
158°F, 24 hr	33	%	
212°F, 24 hr	62	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	38		ISO 48-4
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Type S2, 7.9 in/min

[3] Method Bb, Angle (Nicked)

[4] Method A

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