THERMOLAST® K TC0GPZ (Series: GP/FG)
KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

Universal application; adhesion to PP

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
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- 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
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**

	Nominal Value	Unit	Test Method
Tensile Stress [2] (Break)	2100	psi	ISO 37
Tensile Elongation [2] (Break)	650	%	ISO 37
Tear Strength [3]	257	lbf/in	ISO 34-1
Compression Set [4, 5]			ISO 815
73°F, 72 hr	46	%	
158°F, 24 hr	66	%	
212°F, 24 hr	79	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	34		ISO 48-4
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

<div align="center">Notes</div>

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

[2] Type S2, 7.9 in/min

[3] Method Bb, Angle (Nicked)

[4] Type 1

[5] Method A