

THERMOLAST® K TC8GPZ (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 |



| | |
|-------------------|---------------------------------|
| Appearance | • Black |
| Processing Method | • Extrusion • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 1.10 | g/cm ³ | ISO 1183 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ² (Break) | 1670 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 750 | % | ISO 37 |
| Tear Strength ³ | 148 | lbf/in | ISO 34-1 |
| Compression Set ⁴ | | | ISO 815 |
| 73°F, 72 hr | 37 | % | |
| 158°F, 24 hr | 53 | % | |
| 212°F, 24 hr | 73 | % | |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 79 | | 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

