

**THERMOLAST® K TC7FEZ (Series: FG/SF)****KRAIBURG TPE - Thermoplastic Elastomer****General Information****Product Description**

The FG/SF series is your material solution for automotive interior applications with special surface appearance and adhesion to PP. The material offers low emission and odor values combined with high abrasion resistance. The compounds are available in black and many other automotive interior colors.

## Typical applications

- Automotive Interior
- Car mats
- Function and design elements
- Grip applications
- Floor mats

## Material advantages

- Adhesion to PP
- Low density
- Abrasion resistance
- Optimized flow properties
- Non-sticky surface
- Colorable
- Controlled level of emission and odor, suitable for automotive interior
- Soft touch surface

## Regulations / Approvals

- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- Renault 03-10-104

**General**

|                           |                                          |                                    |                           |
|---------------------------|------------------------------------------|------------------------------------|---------------------------|
| Material Status           | • Commercial: Active                     |                                    |                           |
| Availability              | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America        | • North America           |
| Features                  | • Ablation Resistant<br>• Good Adhesion  | • Good Colorability<br>• Good Flow | • Low Density<br>• Soft   |
| Uses                      | • Automotive Interior Parts              | • Flexible Grips                   | • Soft Touch Applications |
| Agency Ratings            | • DIN 75201B                             |                                    |                           |
| Automotive Specifications | • BMW GS 93042                           | • MERCEDES BENZ DBL 5562           | • VOLKSWAGEN 50123        |
| Appearance                | • Black                                  |                                    |                           |
| Processing Method         | • Injection Molding                      |                                    |                           |

**Properties <sup>1</sup>**

| Physical                                | Nominal Value | Unit              | Test Method |
|-----------------------------------------|---------------|-------------------|-------------|
| Density                                 | 0.930         | g/cm <sup>3</sup> | ISO 1183    |
| Spiral Flow <sup>2, 3</sup>             | 35.4          | in                |             |
| Elastomers                              | Nominal Value | Unit              | Test Method |
| Tensile Stress <sup>4</sup> (Break)     | 1160          | psi               | ISO 37      |
| Tensile Elongation <sup>4</sup> (Break) | 650           | %                 | ISO 37      |
| Hardness                                | Nominal Value | Unit              | Test Method |
| Shore Hardness (Shore A)                | 72            |                   | ISO 48-4    |
| Flammability                            | Nominal Value | Unit              | Test Method |
| Burning Rate                            | 2.2           | in/min            | FMVSS       |

