

THERMOLAST® K TC8PAZ (Series: AD/PA)
KRAIBURG TPE - Thermoplastic Elastomer
General Information
Product Description

The AD/PA series is your material solution for applications with adhesion to PA. The compounds are available in black and natural colors. Natural color variants can be colored in many different ways.

Typical applications

- Thumb wheels
- Seals
- Function and design elements
- Handles (hand tools and power tools etc.)
- Grommets
- Cable clips

Material advantages

- Adhesion to PA6 and PA6.6, up to 50% glass fiber
- Adhesion to PA12
- Halogen content (chlorine + bromine) < 900 ppm
- Dry haptics
- Colorable
- Temperature stability up to 90 °C

Regulations / Approvals

- DIN 75201-B - Fogging
- 49 CFR §571.302 (FMVSS 302)
- DIN EN ISO 105-B06 Methode 3
- VW 50123
- BMW GS 93042
- Mercedes-Benz DBL 5562
- Stellantis B62 0300
- Renault 03-10-104
- GM GMW15702
- UL 94 HB

General

| | | | |
|---------------------------|--|---|--------------------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Additive | • Halogen: < 900 ppm | | |
| Features | • Good Adhesion | • Good Colorability | • Good Thermal Stability |
| Uses | • Grommets • Handles | • Knobs • Seals | |
| Agency Ratings | • DIN 75201B | | |
| Automotive Specifications | • BMW GS 93042 • GM GMW15702 | • MERCEDES BENZ DBL 5562 • STELLANTIS B62 0300 | • VOLKSWAGEN 50123 |
| Appearance | • Black | | |
| Processing Method | • Injection Molding | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 1.15 | g/cm ³ | ISO 1183 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ² (Break) | 798 | psi | ISO 37 |
| Tensile Elongation ² (Break) | 350 | % | ISO 37 |



| | | |
|-------------------------------------|----------------------|-------------|
| Tear Strength ³ | 154 lbf/in | ISO 34-1 |
| Hardness | Nominal Value | Unit |
| Shore Hardness (Shore A) | 80 | ISO 48-4 |
| Flammability | Nominal Value | Unit |
| Flame Rating | HB | UL 94 |
| Additional Information | Nominal Value | Unit |
| Adhesion to PA6 - (D) ⁴ | 49 lbf/in | VDI 2019 |
| Adhesion to PA66 - (D) ⁴ | 49 lbf/in | VDI 2019 |

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 Two-component injection molding

