

THERMOLAST® K TC5TPZ (Series: GP/AP)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The GP/AP Series is your material solution for technical applications with excellent adhesion to PP. The compounds are available in natural and black colors.

Typical applications

Function and design elements

Handles (tools, toolboxes, skipoles)

Soft touch for grips, switches and mats

Material advantages

Adhesion to PP

Easy coloring (compounds in natural colors)

Easy flowing

Excellent mechanical properties

Good weathering resistance

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Good Adhesion | | |
| | Good Flow | | |
| | Good Weather Resistance | | |
| Uses | Handles | | |
| | Soft Touch Applications | | |
| | Switches | | |
| Appearance | Black | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.10 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 49 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ (Yield) | 5.00 | MPa | ISO 37 |
| Tensile Elongation ² (Break) | 600 | % | ISO 37 |
| Tear Strength ³ | 14 | kN/m | ISO 34-1 |
| Compression Set ⁴ | | | ISO 815 |
| 23°C, 72 hr | 14 | % | |
| 70°C, 24 hr | 35 | % | |
| 100°C, 24 hr | 69 | % | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 60.0 to 80.0 | °C | |
| Drying Time | 2.0 to 4.0 | hr | |
| Rear Temperature | 180 | °C | |

| | | |
|--------------------|--------------|-----|
| Middle Temperature | 200 | °C |
| Front Temperature | 220 | °C |
| Mold Temperature | 25.0 to 40.0 | °C |
| Injection Pressure | 20.0 to 100 | MPa |
| Back Pressure | 2.00 to 10.0 | MPa |

NOTE

- | | |
|----|---------------------------|
| 1. | Type S2, 200 mm/min |
| 2. | Type S2, 200 mm/min |
| 3. | Method Bb, Angle (Nicked) |
| 4. | Method A |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

