

THERMOLAST® K TP7LDZ

TPE

KRAIBURG TPE GmbH & Co. KG

| Mechanical properties | Value | Unit | Test Standard |
|--------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Tensile Strength | 10.5 | MPa | ISO 37 |
| Strain at break | 750 | % | ISO 37 |
| Compression set at 70 °C, 24h | 44 | % | ISO 815 |
| Compression set at 100 °C, 24h | 58 | % | ISO 815 |
| Tear strength | 22 | kN/m | ISO 34-1 |
| Shore A hardness | 71 | - | ISO 7619-1 |

| Thermal properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 970 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 60 - 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 200 - 250 | °C | - |
| Mold temperature | 25 - 40 | °C | - |
| Zone 1 | 180 - 200 | °C | - |
| Zone 2 | 200 - 220 | °C | - |
| Zone 3 | 220 - 250 | °C | - |
| Injection pressure | 20 - 100 | MPa | - |
| Back pressure | 2 - 10 | MPa | - |
| Holding pressure | 8 - 60 | MPa | - |
| Maximum residence time | 10 | min | - |

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Black

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Good Adhesion, Low Fogging, Low Odor

Applications

Automotive, Encapsulation

Regional Availability

North America, Europe, Asia Pacific