

**THERMOLAST® K TC8MLZ**

TPE

KRAIBURG TPE GmbH &amp; Co. KG

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ISO Data</b>              |              |             |                      |
| Tensile Strength             | <b>5.5</b>   | MPa         | ISO 37               |
| Strain at break              | <b>400</b>   | %           | ISO 37               |
| Tear strength                | <b>19.5</b>  | kN/m        | ISO 34-1             |
| Shore A hardness             | <b>77</b>    | -           | ISO 7619-1           |

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

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1100</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>60 - 80</b>   | °C          | -                    |
| Pre-drying - Time                                  | <b>2 - 4</b>     | h           | -                    |
| Melt temperature                                   | <b>200 - 250</b> | °C          | -                    |
| Mold temperature                                   | <b>40 - 60</b>   | °C          | -                    |
| Zone 1   | <b>180 - 210</b> | °C          | -                    |
| Zone 2   | <b>210 - 240</b> | °C          | -                    |
| Zone 3   | <b>240 - 250</b> | °C          | -                    |
| Injection pressure                                 | <b>20 - 100</b>  | MPa         | -                    |
| Back pressure                                      | <b>2 - 10</b>    | MPa         | -                    |
| Holding pressure                                   | <b>8 - 60</b>    | MPa         | -                    |
| Maximum residence time                             | <b>10</b>        | min         | -                    |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Black

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Good Adhesion, Low Emission, Low Odor, Soft Feel

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific