

**THERMOLAST® K TF5FHT**

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>600</b>   | %           | ISO 37               |
| Shore A hardness             | <b>50</b>    | -           | ISO 7619-1           |

| <b>Optical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| Haze                      | <b>15</b>    | %           | ASTM D 1003          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>890</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>180 - 220</b> | °C          | -                    |
| Mold temperature                                   | <b>50 - 60</b>   | °C          | -                    |
| Zone 1   | <b>180 - 200</b> | °C          | -                    |
| Zone 2   | <b>200 - 220</b> | °C          | -                    |
| Zone 3   | <b>220 - 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

**Special Characteristics**

Transparent

**Features**

Good Adhesion, Soft Feel

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

Medical, Packaging

**Regional Availability**

North America, Europe, Asia Pacific