

**THERMOLAST® K TC8FLN**

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>4.8</b>	MPa	ISO 37
Strain at break	<b>600</b>	%	ISO 37
Compression set at 70 °C, 24h	<b>71</b>	%	ISO 815
Compression set at 100 °C, 24h	<b>90</b>	%	ISO 815
Tear strength	<b>20</b>	kN/m	ISO 34-1
Shore A hardness	<b>78</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>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1120</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>80</b>	°C	-
Pre-drying - Time	<b>2 - 6</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>180 - 220</b>	°C	-
Mold temperature	<b>25 - 40</b>	°C	-
Zone 1	<b>170 - 190</b>	°C	-
Zone 2	<b>190 - 210</b>	°C	-
Zone 3	<b>210 - 220</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

**Features**

Good Adhesion

**Delivery form**

Natural Color

**Applications**

Electrical and Electronical

**Special Characteristics**

Flame retardant, Halogen-free

**Regional Availability**

North America, Europe, Asia Pacific