

THERMOLAST® K TC4FLN

TPE

KRAIBURG TPE GmbH & Co. KG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	1.7	MPa	ISO 37
Strain at break	520	%	ISO 37
Compression set at 70 °C, 24h	54	%	ISO 815
Compression set at 100 °C, 24h	94	%	ISO 815
Tear strength	12	kN/m	ISO 34-1
Shore A hardness	39	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Other properties	Value	Unit	Test Standard
Density	1130	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	180 - 220	°C	-
Mold temperature	25 - 40	°C	-
Zone 1	170 - 190	°C	-
Zone 2	190 - 210	°C	-
Zone 3	210 - 220	°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

Features

Good Adhesion

Delivery form

Natural Color

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, Halogen-free

Regional Availability

North America, Europe, Asia Pacific