

THERMOLAST® K TC6FTZ

TPE

KRAIBURG TPE GmbH & Co. KG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	4	MPa	ISO 37
Strain at break	600	%	ISO 37
Compression set at 70 °C, 24h	60	%	ISO 815
Tear strength	16	kN/m	ISO 34-1
Shore A hardness	60	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1,5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-

Other properties	Value	Unit	Test Standard
Density	1090	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	6	h	-
Processing humidity	≤0.05	%	-
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	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	6	h	-
Melt temperature	200	°C	-
Zone 1	160 - 180	°C	-
Zone 2	180 - 200	°C	-
Zone 3	200 - 230	°C	-
Nozzle temperature	180 - 190	°C	-

Characteristics**Processing**

Injection Molding, Profile Extrusion, Other Extrusion

Delivery form

Black

Special Characteristics

Flame retardant, Halogen-free

Features

Good Adhesion

Applications

Building Construction, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific