

THERMOLAST® K TF4STE

TPE

KRAIBURG TPE GmbH & Co. KG

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	9	MPa	ISO 37
Strain at break	850	%	ISO 37
Compression set at 70 °C, 24h	30	%	ISO 815
Compression set at 100 °C, 24h	45	%	ISO 815
Tear strength	13.5	kN/m	ISO 34-1
Shore A hardness	44	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	890	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	200 - 250	°C	-
Mold temperature	25 - 40	°C	-
Zone 1	180 - 200	°C	-
Zone 2	200 - 220	°C	-
Zone 3	220 - 250	°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

Special Characteristics

Translucent

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