

THERMOLAST® K TF8CGT (Series: FC)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The FC Series is your natural-colored and translucent material solution for applications with food contact. The series is characterized, among other things, by its excellent adhesion to PP.

Typical applications

Function and design elements

Grip applications

Household articles

Packaging (for food and careproducts)

Razors

Seals

Toothbrushes

Toys

Material advantages

Adhesion to PP

Applications with food contact

Code of Federal Regulations, Title 21 (CFR 21) "FDA"

Easy coloring (compounds in natural colors)

EN71/3

Excellent mechanical properties

Excellent processing behavior

Halogen-free

In natural or translucent available

Pleasant surface feel (Soft touch)

Recyclable

Regulation (EU) No. 10/2011

General Information	
Features	Food Contact Acceptable
	Good Adhesion
	Good Processability
	Halogen Free
	Recyclable Material
	Soft
Uses	Food Packaging
	Household Goods
	Non-specific Food Applications
	Packaging
	Seals
	Toothbrush Handles
Agency Ratings	Toys
	EN 71-3
	EU 10/2011
FDA Food Contact, Unspecified Rating	

Appearance	Translucent
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	79		ISO 7619

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	7.00	MPa	ISO 37
Tensile Elongation ² (Break)	550	%	ISO 37
Tear Strength ³	25	kN/m	ISO 34-1
Compression Set ⁴			ISO 815

23°C, 72 hr	36	%
70°C, 24 hr	54	%
100°C, 24 hr	76	%

Extrusion	Nominal Value	Unit
Drying Temperature	60.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Cylinder Zone 1 Temp.	160	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	200	°C
Die Temperature	200 to 230	°C

NOTE	
1.	Type S2, 200 mm/min
2.	Type S2, 200 mm/min
3.	Method Bb, Angle (Nicked)
4.	Method A

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