

# THERMOLAST® K TF5BTL (Series: FC/AP)

Thermoplastic Elastomer

KRAIBURG TPE

## Message:

- The FC/AP Series is your natural-colored and translucent material solution for applications with food contact. The series' features include an 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
  - Easy coloring (compounds in natural colors)
  - EN71/3
  - Excellent mechanical properties
  - Excellent processing behavior
  - FDA compliant
  - Halogen-free
  - In natural or translucent available
  - Pleasant surface feel (Soft touch)
  - Recyclable
  - Regulation (EU) 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 Unspecified Rating

Appearance	Translucent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	8.00	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	800	%	ISO 37
Tear Strength <sup>3</sup>	14	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	180	°C	
Middle Temperature	200	°C	
Front Temperature	220	°C	
Mold Temperature	25.0 to 40.0	°C	
Injection Pressure	20.0 to 100	MPa	
Back Pressure	2.00 to 10.0	MPa	
NOTE			
1.	Type S2, 200 mm/min		
2.	Type S2, 200 mm/min		
3.	Method Bb, Angle (Nicked)		

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