

THERMOLAST® K TF5AAC (Series: FC/HE/tl)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The FC/HE/tl Series is your material solution for applications with food contact, providing excellent resilience properties. The series is available in translucent colors.

Typical applications

Closures

Flexible Connections

Household articles

Membranes

Packaging (for food and careproducts)

Seals

Valves

Material advantages

Applications with food contact

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

Easy coloring (compounds in natural colors)

EN71/3

Excellent mechanical properties

Halogen-free

High resilience

Perfect adhesion to PP

Regulation (EU) No. 10/2011

General Information	
Features	Food Contact Acceptable
	Good Adhesion
	Halogen Free
	Resilient
Uses	Closures
	Connectors
	Food Packaging
	Household Goods
	Membranes
	Non-specific Food Applications
	Packaging
	Seals
	Valves/Valve Parts
Agency Ratings	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	0.890	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	50		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	13.0	MPa	ISO 37
Tensile Elongation ² (Break)	750	%	ISO 37
Tear Strength ³	16	kN/m	ISO 34-1
Compression Set ⁴			ISO 815
23°C, 72 hr	16	%	
70°C, 24 hr	31	%	
100°C, 24 hr	50	%	
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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