THERMOLAST® K TF5AAC (Series: FC/HE/tl)
KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The FC/HE/tl series is your material solution for everyday life applications with regulatory requirements. The series is characterized by its high elastic properties and its adhesion to PP. The translucent materials can be colored in many different ways.

Typical applications
- Household articles
- Flexible Connections
- Membranes
- Seals for housings
- Valves
- Packaging (for food and care products)
- Closures
- Toys

Material advantages
- Hysteresis
- Colorable
- Optimized mechanical properties
- In-process recycling possible
- High elasticity
- Adhesion to PP
- Free from animal ingredients
- ISCC PLUS ready (mass balance approach)

Regulations / Approvals
- Regulation (EU) No 10/2011
- US FDA CFR 21 (raw material conformity)
- EN71-3
- Compatible for HDPE Recycling certified by Cyclos HTP
- Compatible for PP Recycling certified by Cyclos HTP

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Europe	• Latin America • North America	
Features	• Good Adhesion • Good Colorability • Good Elasticity	• Low Hysteresis • No Animal Derived Components • Recyclable Material	• Soft
Uses	• Closures • Connectors • Food Packaging	• Household Goods • Membranes • Packaging	• Seals • Toys • Valves/Valve Parts
Agency Ratings	• EN 71-3	• EU 10/2011	• FDA Food Contact
Appearance	• Translucent		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (Break)	1810	psi	ISO 37
Tensile Elongation [2] (Break)	750	%	ISO 37
Tear Strength [3]	88.5	lbf/in	ISO 34-1

Compression Set [4]			ISO 815
73°F, 72 hr	18	%	
158°F, 24 hr	34	%	
212°F, 24 hr	53	%	

Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	50		ISO 48-4

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Notes

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[1] Typical properties: these are not to be construed as specifications.

[2] Type S2, 7.9 in/min

[3] Method Bb, Angle (Nicked)

[4] Method A