

THERMOLAST® K TF4FHT (Series: FC/ht)

KRAIBURG TPE - *Thermoplastic Elastomer*

General Information

Product Description

The FC/ht series is your highly transparent material solution for everyday life applications with regulatory requirements. The series is characterized by its PP adhesion. The highly transparent materials can be colored in many different ways.

Typical applications

- Toothbrushes
- Function and design elements
- Grip applications
- Household articles
- Razors
- Toys
- Packaging (for food and care products)

Material advantages

- Transparency
- Colorable, also in effect colors
- Low density
- In-process recycling possible
- Adhesion to PP
- Free from animal ingredients
- Halogen-free (according to IEC 61249-2-21)
- 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 • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Colorability	• Halogen Free • Low Density	• No Animal Derived Components • Recyclable Material
Uses	• Flexible Grips • Food Packaging	• Household Goods • Packaging	• Toothbrush Handles • Toys
Agency Ratings	• EN 71-3	• EU 10/2011	• FDA Food Contact
Appearance	• Clear/Transparent	• Colors Available	
Processing Method	• Extrusion	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (Break)	798	psi	ISO 37
Tensile Elongation ² (Break)	600	%	ISO 37
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	40		ISO 48-4
Optical	Nominal Value	Unit	Test Method
Haze (78.74 mil)	8.00	%	ASTM D1003

