

THERMOLAST® K TF7TAA (Series: FC/AD1/ht)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The FC/AD1/ht Series is your highly transparent material solution for applications with food contact. The series features include an excellent adhesion to polar thermoplastics such as PC, ABS and PETG.

Typical applications

Function and design elements

Grip applications

Household articles

Packaging (for food and careproducts)

Razors

Seals

Toothbrushes

Toys

Material advantages

Applications with food contact

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

EN71/3

Excellent adhesion

Excellent mechanical properties

Excellent transparency

Halogen-free

Low density

Various color options and effects available

General Information	
Features	Food Contact Acceptable
	Good Adhesion
	Halogen Free
	High Clarity
	Low Density
Uses	Food Packaging
	Household Goods
	Non-specific Food Applications
	Packaging
	Seals
	Toothbrush Handles
Agency Ratings	EN 71-3
	FDA Food Contact, Unspecified Rating
Appearance	Clear/Transparent
	Colors Available

Processing Method	Extrusion Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	69		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	19.5	MPa	ISO 37
Tensile Elongation ² (Break)	550	%	ISO 37
Tear Strength ³	42	kN/m	ISO 34-1
Optical	Nominal Value	Unit	Test Method
Haze (2000 μm)	14	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Adhesion to ABS	9.5	kN/m	Renault D41/1916
Adhesion to PC	8.5	kN/m	Renault D41/1916
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)		

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