THERMOLAST® K TF9FMA (Series: FC/AD1)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

The FC/AD1 Series is your material solution for applications with food contact providing 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"
Easy coloring (compounds in natural colors)
EN71/3
Excellent adhesion
Excellent processing behavior
Halogen-free
Regulation (EU) No. 10/2011

General Information	
Features	Food Contact Acceptable
	Good Adhesion
	Good Colorability
	Good Processability
	Halogen Free
Uses	Food Packaging
	Household Goods
	Non-specific Food Applications
	Packaging
	Seals
	Toothbrush Handles
	Toys
Agency Ratings	EN 71-3
	EU 10/2011
	FDA Food Contact, Unspecified Rating
Appearance	Natural Color
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	87		ISO 7619
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (Yield)	11.5	MPa	ISO 37
Tensile Elongation [2] (Break)	750	%	ISO 37
Tear Strength [3]	40	kN/m	ISO 34-1
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Adhesion to ABS	20.0	kN/m	Renault D41/1916
Adhesion to PC	35.0	kN/m	Renault D41/1916
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	210	°C	
Front Temperature	240	°C	
Mold Temperature	40.0 to 60.0	°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)		

Recommended distributors for this material

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