

# THERMOLAST® K TF5CGN (Series: FC)

Thermoplastic Elastomer

KRAIBURG TPE

## Message:

- The FC Series is your natural-colored and translucent material solution for applications with food contact. The series is characterized, among other things, by its excellent adhesion to PP.
- Typical applications
  - Function and design elements
  - Grip applications
  - Household articles
  - Packaging (for food and careproducts)
  - Razors
  - Seals
  - Toothbrushes
  - Toys
  - Material advantages
  - Adhesion to PP
  - Applications with food contact
  - Code of Federal Regulations, Title 21 (CFR 21) "FDA"
  - Easy coloring (compounds in natural colors)
  - EN71/3
  - Excellent mechanical properties
  - Excellent processing behavior
  - Halogen-free
  - In natural or translucent available
  - Pleasant surface feel (Soft touch)
  - Recyclable
  - Regulation (EU) No. 10/2011

General Information	
Features	Food Contact Acceptable
	Good Adhesion
	Good Colorability
	Good Processability
	Halogen Free
	Recyclable Material
	Soft
Uses	Food Packaging
	Household Goods
	Non-specific Food Applications
	Packaging
	Seals
	Toothbrush Handles
	Toys
Agency Ratings	EN 71-3
	EU 10/2011

Appearance	Natural Color
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	49		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	6.00	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	850	%	ISO 37
Tear Strength <sup>3</sup>	14	kN/m	ISO 34-1
Compression Set <sup>4</sup>			ISO 815
23°C, 72 hr	18	%	
70°C, 24 hr	30	%	
100°C, 24 hr	62	%	
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT