

THERMOLAST® K TF6FMA (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 | |
|---------------------|--------------------------------------|
| UL YellowCard | E214822-102021283 |
| 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 |
| 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/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 60 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ (Yield) | 4.50 | MPa | ISO 37 |
| Tensile Elongation ² (Break) | 600 | % | ISO 37 |
| Tear Strength ³ | 16 | kN/m | ISO 34-1 |
| Additional Information | Nominal Value | Unit | Test Method |
| Adhesion to ABS | 5.5 | kN/m | Renault D41/1916 |
| Adhesion to PC | 8.0 | 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) | | |

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

