

THERMOLAST® K TF4BNA (Series: FC/AP)

Thermoplastic Elastomer

KRAIBURG TPE

Message:

- The FC/AP Series is your natural-colored and translucent material solution for applications with food contact. The series' features include an 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
 - Easy coloring (compounds in natural colors)
 - EN71/3
 - Excellent mechanical properties
 - Excellent processing behavior
 - FDA compliant
 - Halogen-free
 - In natural or translucent available
 - Pleasant surface feel (Soft touch)
 - Recyclable
 - Regulation (EU) 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 | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.11 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 39 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ (Yield) | 4.00 | MPa | ISO 37 |
| Tensile Elongation ² (Break) | 650 | % | ISO 37 |
| Tear Strength ³ | 10 | kN/m | ISO 34-1 |
| 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 | 200 | °C | |
| Front Temperature | 220 | °C | |
| Mold Temperature | 25.0 to 40.0 | °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) | | |

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