



## THERMOLAST K® FD/S TF1STL

KRAIBURG TPE Corporation - Thermoplastic Elastomer

Monday, August 04, 2008

### General Information

#### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Consumer Applications	• Sporting Goods	• Toys
Agency Ratings	• BfR Food Contact, Unspecified Rating		
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Injection Molding		

### ASTM and ISO Properties <sup>1</sup>

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.880 g/cm <sup>3</sup>	0.880 g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	145 psi	1.00 MPa	ISO 527-2
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Elongation (Break)	550 %	550 %	ISO 37
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	7	7	ISO 868

#### Additional Properties

Hard/soft with: PP  
 IRHD SS (hardness test method for super soft compounds): 75

### Processing Information

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80.0 °C
Drying Time	2.0 hr	2.0 hr
Rear Temperature	320 °F	160 °C
Middle Temperature	356 °F	180 °C
Front Temperature	392 °F	200 °C
Mold Temperature	77.0 to 104 °F	25.0 to 40.0 °C
Injection Pressure	725 to 5800 psi	5.00 to 40.0 MPa
Injection Rate	Fast	Fast
Back Pressure	290 to 725 psi	2.00 to 5.00 MPa

#### Injection Notes

Hot Runner Temperature: 200 to 250°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.