



THERMOLAST K® FD/tl TF2ATL

KRAIBURG TPE Corporation - Thermoplastic Elastomer

Monday, August 04, 2008

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Agency Ratings	• ISO 10993 Part 10		
Appearance	• Translucent		
Forms	• Pellets		

ASTM and ISO Properties ¹

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.880 g/cm ³	0.880 g/cm ³	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	363 psi	2.50 MPa	ISO 527-2
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Elongation (Break)	720 %	720 %	ISO 37
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	25	25	ISO 868

Additional Properties

Tear Strength, DIN 5315: 4,0 N/mm

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	356 °F	180 °C
Middle Temperature	392 °F	200 °C
Front Temperature	428 °F	220 °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

¹ Typical properties: these are not to be construed as specifications.