

THERMOLAST® K TF3ATL (Series: FD/tl)

Thermoplastic Elastomer



Prospector

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Appearance	• Translucent		

Physical	Nominal Value Unit	Test Method
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Density	0.880 g/cm ³	ISO 1183
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Elastomers	Nominal Value Unit	Test Method
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Tensile Stress (Break)	8.50 MPa	ISO 37
Tensile Elongation (Break)	890 %	ISO 37
Tear Strength ²	11 kN/m	ISO 34-1

Hardness	Nominal Value Unit	Test Method
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Shore Hardness (Shore A)	35	ISO 868
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Injection	Nominal Value Unit
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Drying Temperature	80.0 °C
Drying Time	2.0 hr
Rear Temperature	180 °C
Middle Temperature	200 °C
Front Temperature	220 °C
Mold Temperature	25.0 to 40.0 °C
Injection Pressure	5.00 to 40.0 MPa
Injection Rate	Fast
Back Pressure	2.00 to 5.00 MPa

Injection Notes

Hot Runner Temperature: 200 to 250°C

Extrusion	Nominal Value Unit
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Drying Temperature	80.0 °C
Drying Time	2.0 hr
Cylinder Zone 1 Temp.	160 °C
Cylinder Zone 3 Temp.	170 °C
Cylinder Zone 5 Temp.	180 °C
Adapter Temperature	180 °C
Die Temperature	180 °C

Extrusion Notes

Compression Ratio: At least 3.5:1
 Mold Clamping Zone: 3 to 5 mm
 Screw Length: 25D

Notes

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

² Method Bb, Angle (Nicked)