

# DuPont™ Kapton® TF

## Thermoformable Polyimide Film

### Product Description

DuPont™ Kapton® TF polyimide film is an advancement in thermoformable polyimide films. The Kapton® TF family of polyimide films has been designed to give optimum forming characteristics. Kapton® TF films have higher elongations at elevated temperatures while maintaining the combination of excellent physical, electrical, and mechanical properties at room temperature inherent in traditional polyimide films.

The Kapton® TF thermoformable polyimide film enables formability at lower processing temperatures than Kapton® JP polyimide film and enables drawing deeper parts with shorter cycle times. For general polyimide film forming principles please refer to the technical bulletin Forming with Kapton® Polyimide Films (EI-10168).

The product line is available in various thicknesses from 1mil (25µm) to 4mil (100µm).

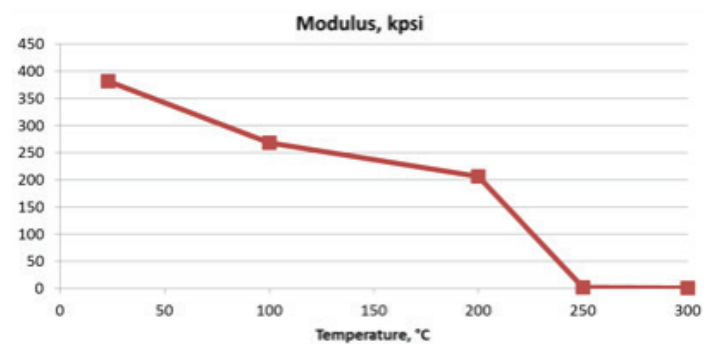
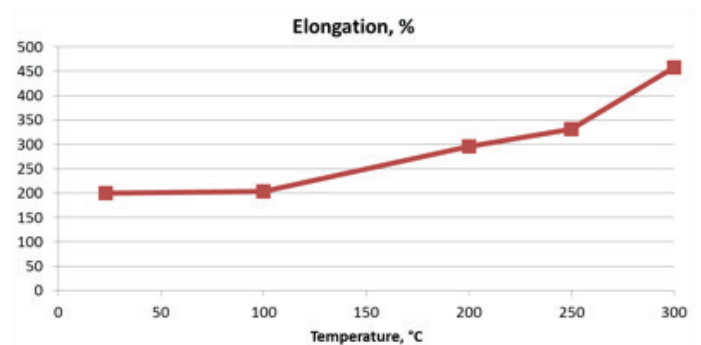
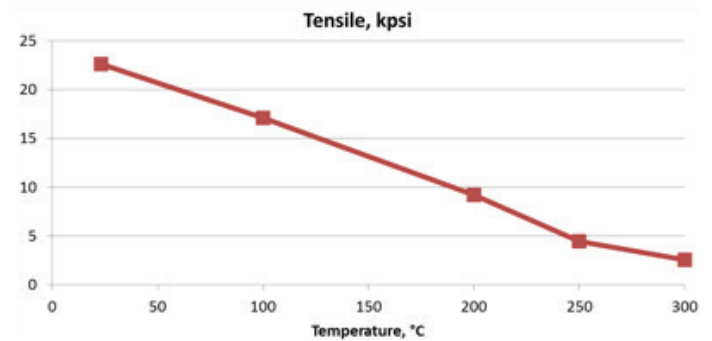
### Applications

- Formed electrical insulation
- Formed chemical barrier

### Typical Properties of Kapton® Polyimide Films

Property	Unit	Typical Value, 23°C		Test Method
		200TF	300TF	
Thickness	mil	2.0	3.0	ASTM D374
Tensile Strength	kpsi	24	24	ASTM D882
Modulus	kpsi	410	410	ASTM D882
Elongation	%	170	180	ASTM D882
Dielectric Strength	V/mil	5750	4550	ASTM D149
Tg (range)	°C	220 – 250	220 – 250	

### Typical properties of Kapton® TF polyimide film at elevated temperatures



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[kapton.com](http://kapton.com)

For more information on DuPont™ Kapton® polyimide films or other DuPont products, please visit our website.

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EI-10155 (7/20)