



DuPont™ Kapton® 120FMT616

Polyimide Film

Product Description/Features

- Thermally conductive Kapton® (3x more than standard Kapton®)
- Low moisture permeation
- High temperature resistance
- High tear strength
- 1.0 mil (25 µm) thick thermally conductive Kapton® base film
- 0.1 mil (2.5 µm) thick FEP coating on both sides

Applications

- Heater insulation
- Flat panel heater substrate
- High temperature insulating wrap

Table 1. Typical Properties of DuPont™ Kapton® 120FMT616

Property	Units	Typical Value	Test Method
Nominal Thickness	mils	1.15	ASTM D374
Tensile Strength	Kpsi	19	ASTM D882
Tensile Modulus, Kpsi	Kpsi	475	ASTM D882
Elongation	%	67	ASTM D882
Dielectric Strength	V/mil	5200	ASTM D149
Dielectric Constant		3.1	ASTM D150
Dissipation Factor		0.0015	ASTM D150
Tear Strength	lbf	2.3	ASTM D1922
Moisture Absorption	%	1.3% (50% RH) 2.5% (98% RH)	ASTM D570
Water Vapor Permeation	g/(m ² 24 h)	17.5	ASTM D96



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

kapton.com

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