



DUPONT™ KAPTON® FPC-MBC

TECHNICAL DATA SHEET

DESCRIPTION

DuPont™ Kapton® FPC-MBC black polyimide film exhibits an excellent balance of physical, chemical, and electrical properties over a wide temperature range, with superior dimensional stability at elevated temperatures.

DuPont™ Kapton® FPC-MBC is a black, homogeneous opaque film. The matte black color of Kapton® MBC provides a uniform, aesthetically pleasing appearance while maintaining key physical properties. These characteristics make it ideal for use as an opaque coverlay.

APPLICATIONS

- Opaque coverlays
- Dielectric substrates

PRODUCT SPECIFICATIONS

DuPont™ Kapton® FPC-MBC black polyimide film is manufactured, slit and packaged according to the product specifications listed in H-38479, Bulletin GS-96-7.

TYPICAL PROPERTIES FOR DUPONT™ KAPTON® FPC-MBC BLACKPOLYIMIDE FILM AT 23°C (73°F)

	40FPC-MBC	50FPC-MBC	100FPC-MBC
Thickness, mil (µm)	0.4 (10.2)	0.5 (12.7)	1.0 (25.4)
Tensile Strength, kpsi (MPa)	38 (262)	38 (262)	38 (262)
Color	Black	Black	Black
Elongation, %	65	65	70
Modulus, kpsi (MPa)	450 (3100)	450 (3100)	450 (3100)
Shrinkage, % - MD and TD @ 200°C	<0.1%	<0.1%	<0.1%
Dielectric Strength, V/mil	2900	2900	2800

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