



Kapton[®]

polyimide film

Kapton[®] CB

black, opaque substrate polyimide film

Features

- Polyimide durability
- Low light transmission and reflectivity
- Homogeneous

Applications

- Satellite blankets
- Opaque cover-layers
- Radiant heat absorber

Available

100 CB (0.001 in [25.4 μ m])

Maximum width = 48 in

Contact your DuPont representative for ordering information.

Table 1
Kapton[®] CB Black, Opaque Substrate

Industry Need	Kapton [®] CB Feature
Low light transmission	Opaque
Low light reflectivity	Black
Proven reliability	Polyimide durability
Consistency	Homogeneous

Table 2
Typical Kapton[®] CB Properties

Tensile strength, kpsi (MPa)	20 (138)
Elongation, %	45
Tensile modulus, kpsi (GPa)	400 (2.8)
Dielectric strength, V/mil (V/ μ m)	2000 (79)
Dielectric constant at 1 kHz, 25°C (77°F)	4.5
Dissipation factor	0.19
Resistivity, ohm/sq	10 ¹³
Dimensional stability, % at 200°C (392°F) at 400°C (752°F)	0.08 1.0
Visible light transmission, %	1
Optical density	2
Density, g/cc	1.417