Kapton® B Polyimide Film

Kapton® B — homogeneous black PI film with inherent opacity and low reflectivity. 241–255 MPa tensile strength. Optical baffles, LED circuits, FPCs. **SKU:** 1000010245-group
Product Code: IM35-FM

Material Properties for Polymers

Thermal Properties

Element	Value
Lower working temperature(°C)	-269
Upper working temperature(°C)	400
Thermal conductivity(W m?¹ K?¹)	0.12

Electrical Properties

Element	Value
Dielectric strength(kV mm?¹)	110
Volume resistivity(?·cm)	>10^18
Surface Treatment	Carbon black (pigmented)

Mechanical Properties

Element	Value
Tensile strength(MPa)	241
Elongation at break(%)	65
Coefficient of friction(Kinetic)	0.48

Physical Properties

Element	Value
Density(gcm?³)	1.42
Flammability(UL-94)	V-0