



Flexible Insulation

Kapton® VN Polyimide Film

GENERAL INFORMATION

Kapton® VN Polyimide general-purpose film exhibits an excellent balance of physical, chemical and electrical properties over a wide temperature range, with superior dimensional stability at elevated temperatures

APPLICATIONS

Kapton® VN is recommended for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures. Typical applications are as follows:

- Sensors
- Gaskets
- Electronic parts
- Pin grids

PROPERTIES

Film Gauge	Unit	Typical Value	Test Condition	Test Method	Typical Value	Test Condition	Test Method
Dielectric Strength				Dielectric Constant			
kV / mm							
25	µM	303	60Hz		3.4		
50	µM	240	¼ in		3.4		
75	µM	205	electrode	ASTM D-149-91	3.5	1kHz	ASTM D-150-92
125	µM	154	500 V / sec rise		3.5		
Dissipation Factor				Volume Resistivity			
Ohms				Centimetres			
25	µM	0.0018			1.5 x 10 ¹⁷		
50	µM	0.0020	1kHz	ASTM D-150-92	1.5 x 10 ¹⁷		ASTM D-257-91
75	µM	0.0020			1.4 x 10 ¹⁷		
125	µM	0.0026			1.0 x 10 ¹⁷		