

Kaptononline.com

Technical Datasheet

5 Mil Kapton Tapes RoHS Compliant

Description:

Kapton Tapes are made from DuPont Kapton® HN general purpose film with silicon adhesive. They have been used in applications at temperatures as low as -269°C (-452°F) and as high as 260°C (500°F). Kapton® HN film is the recommended choice for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures.

Product Features:

- Thin and conformable enabling masking of uneven surfaces
- Wide operating temperature range up to 500°F
- Removes cleanly without adhesive residue after exposure to heat
- High performance silicone adhesive
- High strength backing provides superior resistance to puncture and tear
- Resistance to chemical attack

Applications:

- High temperature masking
- Protection of circuit board gold finger contacts during wave solder
- Insulation on Transformers, Motors and Coils
- Fiber Optics Cables
- Solar Panels

Kapton® is a trademark of Dupont

Color	Amber	
Adhesion Type	Silicone	
Film Thickness	5 Mil	ASTM D 3652
Adhesive Thickness	1.5 Mil	
Total Thickness	6.5 Mil	
Adhesion to Steel	25 oz//inch	ASTM D 3330
Tensile Strength	98 (lbs/inch)	ASTM D 3759
Elongation	>50 %	ASTM D 3759
Dielectric Strength	18,000 volts	
UL-94 Flammability Rating	V-0	
Insulation Resistance	1,000,000 mega ohms	
Electrolytic Corrosion Factor	1	
Insulation Class, centigrade	180°C	
Temperature Resistance	260°C (500°F)	
Resistance to acids, oils, solvents	Excellent	
Length	36 yards	

Due to the variety of possible end-uses, it is ultimately the responsibility of the customer to determine a product's suitability for a particular application.