

Single Sided Kapton® Polyimide Tape

Product Numbers 16090-6, 16090-12, 16090-19, 16090-25 and 16090-50

DESCRIPTION:

This self-wounded single sided Kapton® Tape is made from DuPont Kapton® HN general purpose film with silicon adhesive. It has been used in applications at temperatures as low as -269°C (-452°F) and as high as 400°C (752°F). Kapton® HN 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/260° C
- Removes cleanly without adhesive residue after exposure to heat
- High performance silicone adhesive
- Low outgassing under vacuum
- 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

PROPERTIES

Color	Amber	
Adhesion Type	Silicone	
Film Thickness	1.2 mils (0.03mm)	ASTM D 3652
Adhesive Thickness	1.5 mils (0.04mm)	
Total Thickness	2.7 mils (0.07mm)	
Adhesion to Steel	25 oz//inch (27.5 g/mm ²)	ASTM D 3330
Tensile Strength	30 (lbs/inch)	ASTM D 3759
Elongation	>40%	ASTM D 3759
Dielectric Strength	8,000 Volts	
UL-94 Flammability Rating	V-0	
Insulation Class, centigrade	180°C	
Temperature Resistance	260°C (500°F)	
Resistance to Acids, Oils, Solvents	Excellent	
Length	32.9m (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. **RoHS compliant.** Kapton® is a trademark of Dupont.