Thermalle™ HEATFLEX
High Temperature Polyimide Tape

PART NUMBER	AVAILABLE WIDTH*	ROLL LENGTH
CT-TM014-16	16mm	33 Meters
CT-TM014-24	24mm	
CT-TM014-36	36mm	

**Available colours and/or sizes may change without notice.*

DESCRIPTION

Thermalle™ HEATFLEX High Temperature Polyimide Tape, made from polyimide film and a cross-linked silicone adhesive, is radiation, flame, solvent, acid, moisture, and heat resistant, and designed for both permanent and temporary bonding. It offers excellent electrical and thermal insulation in demanding environments, and features an exceptionally thin backing that leaves no residue or stain upon removal.

HEATFLEX resists punctures, abrasion, and tearing, and is suitable for use in a vaccum environment. It has minimal shrinkage after baking, high vibration resistance, and unique mechanical properties, including a wide temperature range and high dielectric strength.

COMMON APPLICATIONS

- Electrical insulation for wires, coils, capacitors, transformers, and other electrical components
- Thermal insulation for electronic devices and components
- Protective covering for printed circuit boards during wave soldering and hot air leveling
- Masking for powder coating, anodising, and plasma spray coating
- Splicing and holding applications for high-temperature materials
- Various aerospace and aviation applications

TECHNICAL DATA

Film Thickness	0.025mm
Adhesive Thickness	0.035mm
Total Backing Thickness	0.6mm
Colour	Amber
Adhesion Type	Thermosetting silicone
Operating Temperature	-73°C to +260°C
Dielectric Strength	7,000 volts
Insulation Resistance	106 Mega ohms
Tensile Strength	130N/25mm
Adhesion to Steel	6.8N/25mm
Breakdown Strength	5 Kilovolts
Tensile Strength	30 lbs/inch
Elongation	50%
Resistance Properties	Excellent resistance to radiation, flame, solvent, acid, moisture, and heat

DISCLAIMER