

High Temperature Adhesive Tape

This high temperature film offers optimum performance in electrical and thermal insulation, in particular in masking of gold fingers on circuit boards during wave soldering. Its excellent release properties, also mean it can be used in the powder coating industries.

Features and Benefits

- Mechanical stability under extreme temperature.
- Excellent electrical and thermal insulation properties.
- Resistance to most chemicals, solvents, lubricants and fuels.
- Short term temperature withstand to 315°C.

Availability

Available in roll form, over a range of imperial and metric widths. This tape is also available in pre-cut disc sizes in both imperial and metric diameters. Alongside this, it can be provided in rectangular cutoff form or as die cut shapes.

General Applications

This tape offers optimum performance in electrical and thermal insulation. It offers flame resistant electrical insulation, can be used as a wire and cable wrap, as well as for solder masks for circuit boards.

Technical Performance

Description	Value	ASTM Test Method
Film thickness	0.03mm	D-3652
Adhesive thickness	0.04mm	D-3652
Total thickness	0.07mm	D-3652
Colour	Amber	
Adhesive	Crosslinked silicone	
Breaking strength	5.4Kg / cm	
Elongation break	60%	D-3759
Adhesion to steel	0.3Kg / cm	
Dielectric strength	7,500 Volts	
Insulation class	180°C	
Temperature range	-73°C to 260°C	
	This tape will withstand short term, intermittent temperatures of up to 315°C	
Storage conditions	Keep in dry conditions	
Removability	Good to excellent	
Shear strength	Very high, even at high temperatures	
Tack	Moderate to excellent	
Humidity resistance	Very good	
UV resistance	Good	
Tolerance	Discs and die cuts can be cut to a tolerance of +/- 0.127mm	



Specifications & Approvals

- UL Approval E113238
- ASTM D3652 and D-3759

ISKT22 Polyimide Film Tape

High Temperature Adhesive Tape



Part Number	Width	Length	Colour
ISKT22-4mm	4.0 mm	33 m	Amber
ISKT22-8mm	8.0 mm	33 m	Amber
ISKT22-0375	9.5 mm	33 m	Amber
ISKT22-0500	12.7 mm	33 m	Amber

Description	ASTM Test Method	Results
Film thickness	D-3652	0.03 mm
Adhesive thickness	D-3652	0.04 mm
Total thickness	D-3652	0.06 mm
Adhesive	-	Crosslinked Silicone
Breaking strength	-	5.4 Kg/cm
Elongation at break	D-3759	60%
Dielectric strength	-	7,500 Volts
Insulation class	-	'H' 180°C
Adhesion to steel		0.3 Kg/cm