## **ISKT22** Polyimide Film Tape

### 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. It's 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**

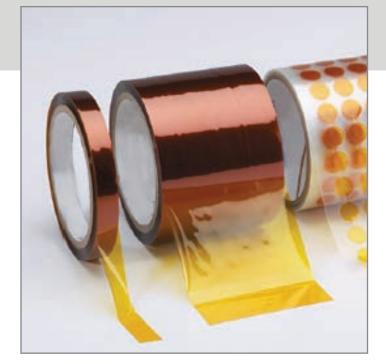
Available in roll form, over a range of imperial and metric widths. This tape is also available in pre-cut disc sizes in both imperial and metric diameters. Alongside this, it can be provided in rectangular cutoff form or as die cut shapes.

#### **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 te	erm, 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 t	0	
	a tolerance of +/- 0.127mm		



**Specifications & Approvals** 

- UL Approval E113238
- ASTM D3652 and D-3759



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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