# **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**

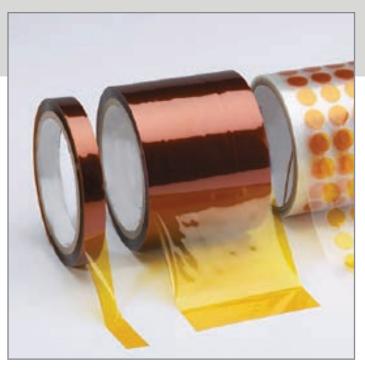
- Mechanical stability under extreme temperature.
- Excellent electrical and thermal insulation properties.
- Resistance to most chemicals, solvents, lubricants and fuels.
- Short term temperature withstand to 315°C.

## **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.



## **Specifications & Approvals**

- UL Approval E113238
- ASTM D3652 and D-3759

#### **Technical Performance**

DescriptionValueASTM Test MethodFilm thickness0.03mmD-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
Removability
Keep in dry conditions
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

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