

# 3M™ Electrical Tape 2131

## Product Description

3M™ Electrical Tape 2131 is manufactured by coating a specially formulated and highly crosslinked silicone adhesive on a high temperature resistant polyimide backing film. It is typically used in electronic related applications to protect specific areas of a PCB during the wave soldering process.

## Key Features

- 1-mil Polyimide backing.
- Silicone adhesive.
- Excellent adhesion to most substrates, even at high temperature.
- Very high cohesion strength.
- High heat resistance up to a maximum temperature of 260°C.

## Product Construction / Material Description

3M™ Electrical Tape 2131	
<b>Color</b>	Amber
<b>Backing</b>	0.025mm Polyimide film
<b>Adhesives</b>	0.03mm Silicone
<b>Total Tape Thickness</b>	0.055mm

## Applications

- Mask for protection of printed circuit board gold fingers during wave soldering or solder dipping process.

## Application Techniques

- Best results are attained when the tape is applied on to a clean, dry and dust free surface.
- To improve the adhesion, ensure that a firm and even application of pressure is applied to the tape.



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## Typical Physical Properties and Performance Characteristics

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Property	Method	Value
Adhesion to Stainless Steel (72 hrs Ambient)	ASTM D3330	1.96N/10mm (min)
Tensile Strength (1 inch <sup>2</sup> , 500 grams)	ASTM D3654	29.4N/10mm (min)
Elongation	–	50%

## Storage and Shelf Life

The shelf life of the 3M™ Electrical Tape 2131 is 12 months from date of delivery of product when properly stored at 72°F (22°C) and at a 50% relative humidity.

## Available Size

Standard Log - 640mm x 33M.

## Regulatory

For regulatory information about this product, contact your 3M representative.

## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

## **3M™ Electrical Tape 2131**

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