



## High temperature Polyimide Film Tape (Temporary)

7413D

### Technical Data

January 2007

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**Product Description**                      3M™ High Temperature Polyimide Tape is a tape consisting of a polyimide film and silicone adhesive designed for solder masking or other very high temperature applications.

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<b>Production Construction</b>	<u>Backing</u>	<u>Adhesive</u>	<u>Color</u>	<u>Standard Roll Length</u>
	Polyimide film	Silicone	Amber	36yard(33m)

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**Typical Physical Properties**

*Notes: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.*

	<b>ASTM Testing Method</b>	
Adhesion to Steel:	22 oz./in. width (24 N/100 mm)	D-3330, Method A
Tensile Strength at Break:	25 lbs./in. width (450 N/100mm)	D-3759
Elongation at Break:	40%	D-3759
Backing Thickness:	1.0 mil (0.025 mm)	D-3652
Total Tape Thickness:	2.8 mils (0.070 mm)	D-3652
Dielectric Strength	6.0 Kv	D-149
Temperature Use Range:	-100°F to 500°F (-73°C to 260°C)	

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**Generation Information**      ● Not recommended to exceed one year of storage under normal conditions at 23°C and 50% R.H.

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**Application Ideas**

- Mask for protection of gold fingers of printed circuit boards during wave solder, solder reflow or solder dip process.
- Release surface in fabrication of parts cured at elevated temperatures.

# **3M™ High temperature Polyimide Film Tape 7413D**

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## **For Additional Information**

To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M Electronics Markets Materials Division, Building 810, 222 Tianlin Road, Shanghai, China 200233. Our telephone number is +86-21-22105335

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## **Product Use**

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