3MPolyimide Film Tape 5413

	cations.			hesive designed for
Backing	Adhesive	Liner	Color	Standard Roll Length
Kapton® Polyimide Film	Silicone	None	Amber	36 yds. (33 m)
Adhesion to Steel:	22 oz./ir	n. width (24 N/	100 mm)	D-3330
Tensile Strength at Break		,	·	D-3759
Elongation at Break:	62%			D-3759
Backing Thickness:	1 mil (.C	3 mm)		D-3652
Total Tape Thickness:	2.7 mils	2.7 mils (.07 mm)		D-3652
Temperature Use Range	: -100°F t	-100°F to +500°F (-73°C to 260°C)		
similar. However, as	the temperatu	are increases of		
	Note: The following ter or typical only at Adhesion to Steel: Tensile Strength at Break Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range • At room temperature similar. However, as Kapton® film are less	Note: The following technical inform or typical only and should not Adhesion to Steel: 22 oz./ii Tensile Strength at Break: 33 lbs./i Elongation at Break: 62% Backing Thickness: 1 mil (.0) Total Tape Thickness: 2.7 mils Temperature Use Range: -100°F to the similar. However, as the temperature Kapton® film are less affected than	Note: The following technical information and dat or typical only and should not be used for sp. Adhesion to Steel: 22 oz./in. width (24 N/ Tensile Strength at Break: 33 lbs./in. width (578 N Elongation at Break: 62% Backing Thickness: 1 mil (.03 mm) Total Tape Thickness: 2.7 mils (.07 mm) Temperature Use Range: -100°F to +500°F (-73° or temperature) • At room temperature, the properties of Kapton's similar. However, as the temperature increases of Kapton's film are less affected than polyester.	Note: The following technical information and data should be concord typical only and should not be used for specification put. Adhesion to Steel: 22 oz./in. width (24 N/100 mm) Tensile Strength at Break: 33 lbs./in. width (578 N/100 mm) Elongation at Break: 62% Backing Thickness: 1 mil (.03 mm) Total Tape Thickness: 2.7 mils (.07 mm) Temperature Use Range: -100°F to +500°F (-73°C to 260°C) • At room temperature, the properties of Kapton® and polyiming similar. However, as the temperature increases or decreases, the

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Application Ideas

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

Features	Advantages	Benefits
• Thin Kapton® polyimide film	• Dimensionally stable at high temperatures	 No rework - high productivity
	• Flame retardant, chemical and radiation resistant	• Protects surfaces, helping reduce replacement costs
Silicone adhesive	High temperature performance reduces adhesive transfer	No cleaning required - helps increase productivity
• High adhesive to film bond	Reduces adhesive transfer	• No cleaning required - helps increase productivity

For Additional **Information**

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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ISO 9002

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