## **3M** Polyimide Film Tape 5413

Product Description	A tape consisting of a l applications.	Kapton® polyin	nide film and sil	icone adhesive	designed for high temperature	
Product Construction	Backing	Adhesive	Liner	Color	Standard roll Length	
	Kapton® polyimide film	Silicone	None	Amber	36 yds (33m)	
Typical Physical Properties	<b>Note:</b> The following technical information and data should be considered representative or typical only and should not be used for specification purposes.					
					ASTM Test Method	
	Adhesion to Steel: 22 oz./in. width (24 N/100mr			/100mm)	D-3330	
	Tensile Strength at Break: 33 lbs./in. width (578 N/100mm)			D-3759		
	Elongation at Break: 62%				D-3759	
	Backing Thickness:	1 mils (.03mm)			D-3652	
	Total Tape Thickness:	2.7 m	ils (.07mm)		D-3652	
	Temperature Use Range: -100°F to 500°F (-73°C to 260°C)					
General Information	as the temperature				polyester films are similar, howev Kapton® film are less affected that	
	<ul><li>polyester.</li><li>Kapton® film doe surface at elevated</li></ul>		elevated tempera	tures, thus the	film provides an excellent release	
Shelf Life	Kapton® film doe     surface at elevated	l temperatures. ance, use this p	roduct within 12	e months from	film provides an excellent release date of manufacture and store und 1 the original carton.	
	Kapton® film doe surface at elevated To obtain best perform normal conditions of 6	l temperatures. ance, use this p 0° to 80°F (15°	roduct within 12 to 21°C) and 40	2 months from to 50% R.H. in	date of manufacture and store und	
	Kapton® film doe surface at elevated To obtain best perform normal conditions of 6	I temperatures. ance, use this p 0° to 80°F (15° to of gold fingers of	roduct within 12 to 21°C) and 40 of printed circuit	e months from to 50% R.H. in t boards during	date of manufacture and store und n the original carton. g wave solder or solder dip proces	
Application Ideas	<ul> <li>Kapton® film doe surface at elevated</li> <li>To obtain best perform normal conditions of 6</li> <li>Mask for protection</li> </ul>	I temperatures. ance, use this p 0° to 80°F (15° to of gold fingers o brication of par	roduct within 12 to 21°C) and 40 of printed circuit	e months from to 50% R.H. in t boards during	date of manufacture and store und n the original carton. g wave solder or solder dip proces	
Shelf Life Application Ideas Features	<ul> <li>Kapton® film doe surface at elevated</li> <li>To obtain best perform normal conditions of 6</li> <li>Mask for protection</li> <li>Release surface in fa</li> </ul>	l temperatures. ance, use this p 0° to 80°F (15° to of gold fingers of brication of par Advan de Dimen	roduct within 12 to 21°C) and 40 of printed circuit ts cured at eleva	2 months from to 50% R.H. in t boards during ted temperatur	date of manufacture and store und a the original carton. g wave solder or solder dip process es.	
Application Ideas	Kapton® film doe surface at elevated To obtain best perform normal conditions of 6     Mask for protection     Release surface in fa     Features     Thin Kapton® polyimi	l temperatures. ance, use this p 0° to 80°F (15° t of gold fingers of brication of par Advar de Dimer tempe Flame	roduct within 12 to 21°C) and 40 of printed circuit ts cured at eleva <b>ntages</b> nsionally stable a	e months from to 50% R.H. in t boards during ted temperatur at high	date of manufacture and store und a the original carton. g wave solder or solder dip proces es. Benefits Higher productivity by	
Application Ideas	Kapton® film doe surface at elevated To obtain best perform normal conditions of 6     Mask for protection     Release surface in fa     Features     Thin Kapton® polyimi	l temperatures. ance, use this p 0° to 80°F (15° to of gold fingers of brication of par Advar de Dimer tempe Flame radiat	roduct within 12 to 21°C) and 40 of printed circuit ts cured at eleva <b>ntages</b> nsionally stable a ratures e retardant, chem	2 months from to 50% R.H. in t boards during ted temperatur at high nical and ormance	date of manufacture and store und a the original carton. g wave solder or solder dip proces es. Benefits Higher productivity by reducing rework Protects surfaces, helping	

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For Additional Information	To request additional product information please call on +44 1234 229400				



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