



Double Coated High-Temperature Silicone/Polyimide Tape

7427

Technical Data

June 2011

Product Description

3M™ 7427 DC silicone/PI high-temp tape is a tape consisting of a polyimide film and silicone adhesive on both sides, which is specially designed for bonding in high temperature environment, such as FPC position in process of wave soldering or/and reflow.

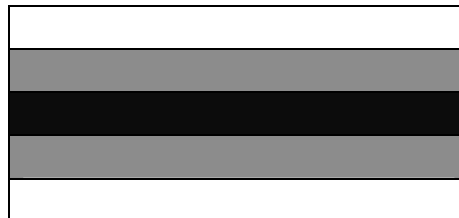
Production Construction

Backing	Adhesive	Color	Liner	Standard Roll Length
Polyimide film	Silicone	Amber	PET	36yard(33m)

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.

Product Structure



Liner: 0.050mm Clear PET Liner

PSA: Silicone adhesive

Backing: Polyimide Film

PSA: Silicone adhesive

Liner: 0.050mm White PET Liner

ASTM Testing Method

Backing Thickness:	1.0 mil (0.025 mm)	D-3652
Total Tape Thickness(without liner):	5.0 mil (0.125 mm)	
Tensile Strength at Break:	460 N/100mm	D-3759
Elongation at Break:	40 %	
180 degree Peel*(clean liner side)	0.3 N/mm	D-3330
180 degree Peel*(white liner side)	0.3 N/mm	
Dielectric Strength	6.0 Kv	D-149
Temperature Use Range:	-60°C ~280°C	/

Note: * 1mil PET film was laminated on the other side

Application Ideas

- Position FPC in process of reflow or wave soldering
- Other adhesion application in high temperature environment

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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Electronics Markets Materials Division

3M Innovation Centre

3M China Ltd

222 Tian Lin Road,

Shanghai, 200233, China

www.3m.com/cn

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Phone: 86-21-22103358

Fax: 86-21-22105037

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