

3M™ Heat Resistive Polyimide Tape 7418F

Product Description

3M™ Heat Resistive Polyimide Tape 7418F is a heat resistive polyimide process tape. 3M tape 7418F consists of thermally cross-linkable acrylic copolymer that provides good initial adhesion but has less adhesion build-up even after high temperature processes.

Key Features

- High initial adhesion and good wettability
- Less adhesion build-up after high temperature processes

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Base polyimide film: 25µm
Thermally cross-linkable adhesive: 22µm
Silicone treated polyester separator: 38µm

Product Construction/Material Description

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

3M™ Heat Resistive Polyimide Tape 7418F	
Property	Value
Color	Amber
Backing	Polyimide film
Adhesive	Thermally cross-linkable acrylic adhesive
Separator	Silicone treated polyester film

Applications

- Carrier tape for small parts in high temperature processes, masking, protection, temporary bonding
* Before using this product for a specific application, it should be evaluated to determine if it is suitable for the intended use.

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Typical Physical Properties and Performance Characteristics

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Property	Method	Value
Adhesion to Steel (SUS304 BA) 23 deg. Celsius /30 min After 260 dc/10 min	Based on JIS 0237 Peel angle: 180 degrees Peel rate: 300 mm/min	1.6 [N/cm] 1.7 [N/cm]
Adhesion to PA9T (Genestar) 23 deg. Celsius /30 min After 260 dc/10 min	Based on JIS 0237 Peel angle: 180 degrees Peel rate: 300 mm/min	0.9 [N/cm] 0.8 [N/cm]
Adhesion to LCP (Laperos) 23 deg. Celsius /30 min After 260 dc/10 min	Based on JIS 0237 Peel angle: 180 degrees Peel rate: 300 mm/min	0.9 [N/cm] 0.4 [N/cm]

Storage and Shelf Life

The shelf life of 3M™ Heat Resistive Polyimide Tape 7418F is 24 months from the date of manufacture when stored in the original packaging and stored at 22°C (71°F) and 50% relative humidity.

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Safety Data Sheet: Consult Safety Data Sheet before use.

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.

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Electronics Materials Solutions Division
3M Center, Building 224-3N-11
St. Paul, MN 55144-1000
1-800-251-8634 phone
651-778-4244 fax
www.3M.com/electronics

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