

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 PET 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 PET film

Applications

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

Typical Physical Properties and Performance Characteristics

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3M™ Heat Resistive Polyimide Tape 7418F		
Property	Method	Value
Adhesion to Steel (SUS304 BA) 23 deg. Celsius /30 min	Based on JIS 0237 Peel angle: 180 degrees	1.6 [N/cm]

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After 260 dc/10 min	Peel rate: 300 mm/min	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 14 months from the date of manufacture when stored in the original packaging and stored at 22°C (71°F) and 50% relative humidity.

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and deemed commercially available from 3M. The COA contains the 3M test methods, specifications limits and test results for the product's performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

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Regulatory: For regulatory information about this product, contact your 3M representative.

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