

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

3M™ Heat Resistive Polyimide Tape 7418F

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.

3M™ Heat Resistant Polyimide Tape 7418F

Typical Physical Properties and Performance Characteristics

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

3M™ Heat Resistant Polyimide Tape 7418F		
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 Resistant 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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Regulatory: For regulatory information about this product, contact your 3M representative.

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