

Technical Data Sheet

3M™ Adhesive Transfer Tape 9372W

Product Description

3M™ Adhesive Transfer Tapes are acrylic based and specially formulated to provide a permanent bond between substrates in environments requiring regulatory compliance with flame retardant standards such as Federal Aviation Regulation 25.853.

Product Features

Flame Retardant

Technical Information Note

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


Typical Physical Properties

Property
Values
Additional Information

Adhesive Type
Tackified Acrylic, 300FR Series

Adhesive Carrier
None

Color
Off White (opaque)

Liner Color
Tan, unprinted
View 

Test Name: Primary

Liner
PCK

Liner Thickness

0.17 mm

Total Tape Thickness (mil)


2 mil

View 

Test Method: ASTM D3652

Total Tape Thickness (mm)

0.051 mm

View 

Test Method: ASTM D3652

Total Tape Thickness

0.002 in

View 

Test Method: ASTM D3652

Liner Thickness

6.5 mil

Thickness Tolerance

±15 %

Areal Density

75 g/m²

Net Weight

83 lb/Ream

Typical Performance Characteristics

Property

Values

Additional Information

90° Peel Adhesion

7.7 N/cm

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Temp C: 23C

Temp F: 72F


Substrate: Stainless Steel

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

70 oz/in

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Stainless Steel

Backing: 2 mil PET

90° Peel Adhesion

98 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 70C

Temp F: 158F

Environmental Condition: 50%RH

Substrate: Stainless Steel

Backing: 2 mil Aluminum Foil

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polypropylene (PP)

5.3 N/cm

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Stainless Steel

72 oz/in

View 


Test Method: ASTM D3330

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Stainless Steel
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

5.6 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: High Density Polyethylene (HDPE)
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

51 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: High Density Polyethylene (HDPE)
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion ABS

6.8 N/cm

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Stainless Steel

7.9 N/cm

View 

Notes: 12 in/min (300 mm/min) ASTM D3330 72 hour dwell on Stainless Steel at 23°C (72°F) and 50% RH Backing: 2 mil Polyester

90° Peel Adhesion Polycarbonate (PC)

6.9 N/cm

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polycarbonate (PC)

63 oz/in

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polypropylene (PP)

48 oz/in

View 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

8.5 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 70C
Temp F: 158F
Environmental Condition: 50%RH
Substrate: Stainless Steel

90° Peel Adhesion ABS

62 oz/in

[View](#) 

Test Method: ASTM D3330

Test Name: 90° Peel Adhesion
Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: ABS
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

12.8 N/cm

[View](#) 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

115 oz/in

[View](#) 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

Short Term Temperature Resistance

250 °F

[View](#) 

Test Condition: Short Term (minutes, hour)

Short Term Temperature Resistance

121 °C

View 

Test Condition: Short Term (minutes, hour)

Long Term Temp C

82 °C

View 

Test Condition: Long Term (day, weeks)

Long Term Temp F

180 °F

View 

Test Condition: Long Term (day, weeks)

Static Shear

>10,000 min

View 

Test Method: ASTM D3654

Test Condition: 1000 g @ Room Temperature

Notes: 1 in² sample size

Static Shear

>10,000 min

View 

Test Method: ASTM D3654

Test Condition: 500 g @ 70°C (158°F)

Notes: 1 in² sample size

Solvent Resistance

Very Good

UV Resistance

Very Good

Available Sizes

Property

Values

Additional Information

Standard Roll Length

180 m

Maximum Available Width

60 in

Normal Slitting Tolerance


±0.8 mm

Normal Slitting Tolerance

±1/32 in

Precision Slitting Tolerance

±0.1 mm

View 

Notes: Precision slitting is available on select products with minimum order of full web increments.

Precision Slitting Tolerance

±0.004 in

View 

Notes: Precision slitting is available on select products with minimum order of full web increments.

Core Size (ID)

76.2 mm

Core Size (ID)

3 in

Available Sizes

Certifications/Standards

Property

Values

Additional Information

Federal Aviation Regulations, FAR 25.853

Yes

Underwriter Laboratories 94, UL-94 (V-2)

No

Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% relative humidity in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

Industry Specifications

FAR 25.853

[EN 45545 test report details \(ISO 5659-2, ISO 9239-1, ISO 5660-1, ISO 5658-2\)](#)

Automotive Disclaimer

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Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

This family of products has been formulated for applications requiring flame retardancy and high bond strength to a wide variety of substrates.

These attributes and choice of three product thicknesses make the products ideally suited to applications in aerospace, maritime, electronic, automotive and building construction applications on both smooth and textured substrates.

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength. 15 psi momentary pressure is typical.

Ideal tape application temperature range is 70°F to 100°F (21°C to 37°C). Initial tape application to surface at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once applied, low temperature holding is generally satisfactory.

Surfaces should be clean and dry prior to bonding. We recommend a final surface cleaning with a mixture of 50% isopropyl alcohol* and water.

Two liner options facilitate wide array of application techniques. Densified kraft liner ideal for roll to roll lamination and subsequent rotary die cutting. Heavy caliper, layflat, polycoated kraft liner, minimizes surface asperities, minimizes distortion of pre-laminated substrates in variable humidity conditions and provide convenient backing for kiss cutting operations.

*Carefully read and follow the manufacturer’s precautions and directions for use when using cleaning solvents.

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality.

To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives (70-0704-1430-8).

For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

References

Property Values
3m.com Product Page https://www.3m.com/3M/en_US/p/d/b40071708/
Safety Data Sheet SDS https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=9372W

Family Group

Link Tags:

- 9372W
- 9372DKW
- 9375W

Products	Color	Liner Color	Liner	Liner Thickness	Short Term Temperature Resistance	Long Term Temp F	Long Term Temp C	Adhesive Type	Adhesive Carrier
9375W	Off White (opaque)	Tan, unprinted	PCK	0.17 mm	121 °C	N/A	N/A	N/A	N/A
9372W	N/A	Tan, unprinted	PCK	N/A	N/A	180 °F	82 °C	N/A	N/A
9372DKW	Off White (opaque)	White, unprinted	DK	0.1 mm	121 °C	180 °F	82 °C	Tackified Acrylic, 300FR Series	None

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

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