



3M™ Double Coated Tape 92015

Last Revision Date: May, 2022

Product Description

Finite Element Analysis (FEA) data is available for this product at: [3m.com/FEA](https://www.3m.com/FEA)

3M™ Double Coated Tapes with 3M™ Adhesive 200MP feature a thin polyester film for dimensional stability and improved handling with ease of die-cutting and laminating. The 3M adhesive 200MP provides exceptional temperature and chemical resistance.

Product Features

- A thin polyester carrier in the products provides dimensional stability and improved handling with ease of die-cutting and lamination compared to adhesive transfer tapes.
- 3M™ Adhesive 200MP provides exceptional temperature and chemical resistance and withstands tough application environments.

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	Acrylic	
Adhesive Type	200MP	View
Test Name: Faceside		
Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.		
Adhesive Type	200MP	View
Test Name: Backside		
Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.		
Adhesive Carrier	Clear Polyester	
Liner	58# Polycoated Kraft	
Liner Thickness	0.11 mm	

Liner Color	Tan	View 
Test Name: Primary		
Adhesive Thickness	0.069 mm	View 
Test Name: Backside		
Notes: The caliper listed is based on a calculation from manufacturing controlled adhesive coat weight. While past data pages have listed nominal thicknesses of 1 and 2 mils, the coat weight (and theoretical caliper) has not changed.		
Carrier Thickness	0.012 mm	
Total Tape Thickness	5.9 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness	0.15 mm	View 
Test Method: ASTM D3652		
Adhesive Thickness	2.7 mil	View 
Test Name: Backside		
Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.		
Adhesive Thickness	0.069 mm	View 
Test Name: Faceside		
Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.		
Adhesive Thickness	2.7 mil	View 
Test Name: Faceside		
Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.		
Carrier Thickness	0.5 mil	
Liner Print	200MP	
Liner Thickness	4.2 mil	

Typical Performance Characteristics

Additional Test notes

Not recommended for low energy plastics (polypropylene, polyethylene). For these surfaces, please refer to 3M™ Adhesive 300, 300LSE, 350, 360 and 300MP.

Property	Values	Additional Information
Short Term Temperature Resistance	300 °F	
Short Term Temperature Resistance	149 °C	
Long Term Temperature Resistance	93 °C	
Long Term Temperature Resistance	200 °F	
Static Shear	>10,000 min	View 
Test Method: ASTM D3654 Notes: 1 in ² sample size		
Static Shear	>10,000 min	View 
Test Method: ASTM D3654 Notes: 1 in ² sample size		
180° Peel Adhesion	7.7 N/cm	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: Aluminum Foil Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	70 oz/in	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: Aluminum Foil Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	8.2 N/cm	View 
Test Method: ASTM D3330 Dwell/Cure Time: 15.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polycarbonate (PC)		

Backing: Aluminum Foil

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

180° Peel Adhesion

75 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 15.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Backing: Aluminum Foil

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

180° Peel Adhesion

6.6 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 15.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: ABS

Backing: Aluminum Foil

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

180° Peel Adhesion

60 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 15.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: ABS

Backing: Aluminum Foil

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

180° Peel Adhesion

2.2 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 15.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: Aluminum Foil

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

180° Peel Adhesion

20 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 15.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Backing: Aluminum Foil

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

180° Peel Adhesion

16.4 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
Backing: Aluminum Foil

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

180° Peel Adhesion

150 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
Backing: Aluminum Foil

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

180° Peel Adhesion

10.4 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: Polycarbonate (PC)
Backing: Aluminum Foil

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

180° Peel Adhesion

95 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: Polycarbonate (PC)
Backing: Aluminum Foil

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

180° Peel Adhesion

8.8 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: ABS
Backing: Aluminum Foil

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

180° Peel Adhesion

80 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: ABS
 Backing: Aluminum Foil

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

180° Peel Adhesion	2.7 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: Polypropylene (PP) Backing: Aluminum Foil Notes: 12 in/min (300 mm/min)		

180° Peel Adhesion	25 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: Polypropylene (PP) Backing: Aluminum Foil Notes: 12 in/min (300 mm/min)		

Available Sizes

Property	Values	Additional Information
Note	Subject to Minimum Order Requirements	
Maximum Length	132 m	View 
Width: 1/4 in to 1 in widths		
Maximum Length	144 yd	View 
Width: 1/4 in to 1 in widths		
Maximum Length	329 m	View 
Width: 1 in to 54 in		
Maximum Length	360 yd	View 
Width: 1 in to 54 in		
Maximum Available Width	54 in	

Normal Slitting Tolerance	± 0.8 mm
Normal Slitting Tolerance	± 1/32 in
Core Size (ID)	76.2 mm
Core Size (ID)	3 in

Electrical and Thermal Properties

Property	Values	Additional Information
Breakdown Voltage	7600 V	

Typical Environmental Performance

Humidity Resistance: High humidity has minimal effect on adhesive performance. No significant reduction in bond strength is observed after exposure for 7 days at 90°F (32°C) and 90% relative humidity.

UV Resistance: When properly applied, nameplates and decorative trim parts are not adversely affected by exposure.

Water Resistance: Immersion in water has no appreciable effect on the bond strength. After 100 hours at room temperature, the high bond strength is maintained.

Temperature Cycling Resistance: High bond strength is maintained after cycling four times through:

4 hours at 158°F (70°C)

4 hours at -20°F (-29°C)

4 hours at 73°F (22°C)

Chemical Resistance: When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including oil, mild acids, and alkalis.

Storage and Shelf Life

Store in original cartons at 70°F (21°C) and 50% relative humidity.

If stored under proper conditions, this product retains its performance and properties for 24 months from date of manufacture.

Bottom Matter

3M

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Handling/Application Information

Application Examples

- Graphic overlays
- Nameplates
- Appliques
- Decorative Trim
- Thermal and sound damping applications in the electronics and appliance industry.
- Attachment to plastics, (ABS, PC).

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. To obtain optimum adhesion, the bonding surfaces must be

clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.*

*Note: Carefully read and follow the manufacturer's precautions and directions for use when using solvents. Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40070412/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=92015

ISO Statement

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

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