

Technical Data Sheet

3M™ Double Coated Acrylic Tape 9088-200


Product Description

3M™ Double Coated Tapes with 3M™ Modified Acrylic Adhesive 375 provides an excellent balance of adhesive peel and shear performance. The adhesive system used on this product provides good adhesion to both high and low surface energy substrates. The initial tack provided ensures that a bond of good integrity is achieved soon after application.

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	View 

Test Name: Faceside

Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

Adhesive Type	Acrylic	View 
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Test Name: Backside

Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Adhesive Carrier	PET (Polyester)
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Liner	58# Glassine
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Liner Thickness	0.08 mm
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Adhesive Thickness	0.094 mm	View 
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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
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Total Tape Thickness (mil)	7.9 mil	View 
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Test Method: ASTM D3652


Total Tape Thickness (mm)	0.2 mm	View 
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Test Method: ASTM D3652

Adhesive Thickness	3.7 mil	View 
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Test Name: Backside

Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Adhesive Thickness	0.094 mm	View 
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Test Name: Faceside

Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

Adhesive Thickness	3.7 mil	View 
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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 Thickness	3.2 mil	
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Typical Performance Characteristics


Property	Values	Additional Information
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90° Peel Adhesion	17.4 N/cm	View 
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Test Method: ASTM D3330

Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion	159 oz/in	View 
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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: 2 mil Aluminum Foil

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


90° Peel Adhesion	14.8 N/cm	
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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: 2 mil Aluminum Foil

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

90° Peel Adhesion135 oz/inView 

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: 2 mil Aluminum Foil


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

90° Peel Adhesion16.7 N/cmView 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Glass
Backing: 2 mil Aluminum Foil

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

90° Peel Adhesion153 oz/inView 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0
Dwell Time Units: hr
Temp C: 23C
Temp F: 72F
Environmental Condition: 50%RH
Substrate: Glass
Backing: 2 mil Aluminum Foil


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

90° Peel Adhesion18.2 N/cmView 

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: 2 mil Aluminum Foil


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

90° Peel Adhesion166 oz/inView 



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: 2 mil Aluminum Foil





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

90° Peel Adhesion	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 Aluminum Foil Notes: 12 in/min (300 mm/min)		

90° Peel Adhesion	55 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 Aluminum Foil Notes: 12 in/min (300 mm/min)		

Static Shear	10000 min	View 
Notes: 1in x 1in size; test terminated after 10,000 minutes		
Static Shear	10000 min	View 
Notes: 1in x 1in size; test terminated after 10,000 minutes		

Available Sizes

Property	Values	Additional Information
Master Width	1220 mm	View 
Notes: More sizes may be available. Please talk to your local 3M representative for more information.		
Master Width	55 yd	View 
Notes: More sizes may be available. Please talk to your local 3M representative for more information.		
Master Width	50 m	View 
Notes: More sizes may be available. Please talk to your local 3M representative for more information.		
Master Width	48 in	View 

Notes: More sizes may be available. Please talk to your local 3M representative for more information.

Typical Environmental Performance

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

Bond Build-up: The bond strength of 3M™ Adhesive 375 increases as a function of time and temperature.

Temperature/Heat Resistance: Adhesive 375 is usable for short periods (minutes, hours) at temperatures up to 300°F (150°C) and for intermittent longer periods (days, weeks) up to 195°F (90°C).

Lower Temperature Service Limit: -10°F (-23°C).

Storage and Shelf Life

It is suggested that products are stored at room temperature conditions of 70°F (21°C) and 50% relative humidity.

If stored properly, product retains its performance and properties for 24 months from date of manufacture.

Recognition/Certification

TSCA: This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements

SDS: 3M has not prepared a SDS for this product which is not subjected to the SDS requirements of the Occupational Safety and Health Administration’s Hazard Communication Standard, 29 C.F.R.1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, this product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.

Note: One of 3M's core values is to respect our social and physical environment. 3M is committed to comply with ever-changing, global, regulatory and consumer environmental, health, and safety (EHS) requirements. As a service to our customers, 3M is providing information on the regulatory status of many 3M products. Further regulation information including that for OSHA, USCPSI, FDA, California Proposition 65, READY and RoHS, can be found at [3M.com/regs](https://www.3m.com/regs).

Automotive Disclaimer

Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer’s automotive application and for conducting incoming inspections before use of the product. Failure to do so may result in injury, death, and/or harm to property. No written or verbal statement, report, data or recommendation by 3M related to automotive use of the product shall have any force or effect unless in an agreement signed by the Technical Director of 3M’s Automotive Division. Customer assumes all responsibility and risk if customer chooses to use this product in an automotive electric powertrain battery or high voltage application, and 3M will not be liable for any loss or damage arising from or related to the 3M product or customer’s use of the product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity or recall costs), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability. In no event shall 3M be liable for any damages in excess of the purchase price paid for the product.

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Bottom Matter

Property	Values	Additional Information
Bottom Matter Logo and Address	3M Industrial Adhesives and Tapes Division 3M Center, Building 225-3S-06 St. Paul, MN 55144-1000 800-362-3550	
Bottom Matter Images	[Image 4]	

[Image 5]

Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Point of Purchase Displays
- Indoor/Outdoor Signage
- Paper Bonding and Packaging
- Splicing
- Mounting of Plastic Parts
- Mounting of Furniture and Decorative Trims

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40070391/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=9088-200

Family Group

Link Tags:

- 9086

9087

9088 to 200

9088F200

Products	Liner	Total Tape Thickness (mm)	Short Term Temperature Resistance	Adhesive Carrier	Color	Liner Color	Adhesive Thickness	Carrier Thickness	Long Term Temperature Resistance	Adhesive Type
9088 to 200	58# Glassine	0.2 mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9087	Paper (Glassine)	0.26 mm	85 °C	N/A	N/A	White with Green 3M Logo	N/A	0.038 mm	158 °F	N/A
9086	N/A	0.019 mm	N/A	N/A	Translucent	White with Black 3M Logo	N/A	N/A	185 °F	N/A
9088F200	Polypropylene Film	0.2 mm	N/A	PET (Polyester)	N/A	N/A	0.094 mm	0.012 mm	N/A	Acrylic

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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