



Technical Data Sheet

3M™ Adhesive Transfer Tape 467MP

V-5 | English-US **Last Revision Date:** September, 2025

Supersedes: April, 2025





Additional Info

Regulatory

Product Description

3M™ Adhesive Transfer Tape 467MP utilizes 3M High Performance Acrylic Adhesive 200MP, which makes it a popular choice for graphic attachment and general industrial joining applications. It provides outstanding adhesion to metal and high surface energy plastics. This adhesive provides some initial repositionability for placement accuracy when bonding to plastics. It also performs well after exposure to humidity and hot/cold cycles.

Product Features

- Up to 400°F short-term heat resistance
- Excellent solvent resistance
- Excellent shear strength to resist slippage and edge lifting

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

Attribute Name	Test Method	Value	
Adhesive Type		Acrylic	
Liner		58# Polycoated Kraft Paper (PCK)	
Liner Print		467MP	
Primary Liner Color		Tan	
Liner Thickness		0.11 mm (4.2 mil)	
Total Tape Thickness	ASTM D3652	0.06 mm (2.3 mil)	

Typical Performance Characteristics

Dwell Time: 72 h

Backing: 2 mil Aluminum Foil Test Method: ASTM D3330

Attribute Name	Temperature	Substrate	Value
90° Peel Adhesion	23 °C (73 °F)	Stainless Steel	10 N/cm (92 oz/in) 1
90° Peel Adhesion	70 °C (158 °F)	Stainless Steel	16.7 N/cm (153 oz/in) ¹
180° Peel Adhesion	23 °C (73 °F)	Stainless Steel	9.6 N/cm (88 oz/in) ¹
90° Peel Adhesion	23 °C (73 °F)	ABS	2.4 N/cm (22 oz/in) ¹
90° Peel Adhesion	23 °C (73 °F)	Acrylic (PMMA)	7 N/cm (64 oz/in) ¹
90° Peel Adhesion	23 °C (73 °F)	Aluminum	7 N/cm (64 oz/in) ¹
90° Peel Adhesion	23 °C (73 °F)	Glass	9.9 N/cm (90 oz/in) ¹
90° Peel Adhesion	23 °C (73 °F)	Polycarbonate (PC)	7.8 N/cm (71 oz/in) ¹

^{1 300} mm/min (12 in/min)

Static Shear

Test Condition: 1000 g

Temperature	Value
23 °C (73 °F)	10,000 min ¹
70 °C (158 °F)	10,000 min ¹

 $^{^{1}}$ 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

Substrate: Stainless Steel Temperature: 23 °C (73 °F)

Dwell Time: 72 h

Backing: 2 mil Aluminum Foil Test Method: ASTM D3654

Attribute Name	tribute Name Environmental Condition		Value	
Short Term Temperature	204 °C (400 °F)	500 a wt for at least 60 min	60 min 1	
Resistance	204 C (400 F)	500 g wt for at least 60 min	60 min ¹	
Long Term Temperature	140.00 (200.05)	500 g wt for at least 10,000	10 000 min 1	
Resistance	149 °C (300 °F)	min	10,000 min ¹	

¹ 6.5 cm² (1 in²) Sample area

Typical Environmental Performance

90° Peel Adhesion

Substrate: Stainless Steel Backing: 2 mil Aluminum Foil

Dwell Time	Temperature	Environmental Condition	Value
24 h	23 °C (73 °F)	Control	9.5 N/cm (87 oz/in) ¹
1 h	23 °C (73 °F)	Gasoline	8 N/cm (73 oz/in) ¹
1 h	23 °C (73 °F)	MEK	7.7 N/cm (70 oz/in) ¹
1 h	23 °C (73 °F)	Weak Acid (pH 4)	8.4 N/cm (77 oz/in) ¹
1 h	23 °C (73 °F)	Weak Base (pH 10)	7.2 N/cm (66 oz/in) ¹
72 h	23 °C (73 °F)	Salt water (5 wt% in water)	9.5 N/cm (87 oz/in) ¹
72 h	49 °C (120 °F)	Oil 10W30	13.9 N/cm (127 oz/in) ¹
100 h	23 °C (73 °F)	Water	9.5 N/cm (87 oz/in) ¹
7 d	32 °C (90 °F)	90 %RH	11.9 N/cm (109 oz/in) ¹
2,000 h		UV Conditions - ASTM G-154	11 4 N/cm (104 oz/in) 1
		Cycle 1	11.4 N/cm (104 oz/in) ¹
72 h		Temperature Cycling: 4	
		Hours at 70 °C (158 °F). 4	
		Hours at -29 °C (-20 °F). 16	12.3 N/cm (112 oz/in) ¹
		Hours at 23 °C (73 °F).	
		Repeat three times	

^{1 300} mm/min (12 in/min)

Typical Environmental Characteristics

Environmental Resistance

Humidity Resistance – High humidity has a minimal effect on adhesive performance. Bond strength shows no significant reduction after exposure for 7 days at 90°F (32°C) and 90% relative humidity.

UV Resistance - The adhesive is not adversly affected by outdoor exposure when covered by a nameplate or decorative trip part.

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.

Bond Build-up: The bond strength of $3M^{\text{\tiny M}}$ High Performance Acrylic Adhesive 200MP increases as a function of time and temperature.

Temperature/Heat Resistance: 3M[™] High Performance Acrylic Adhesive 200MP is usable for short periods (minutes, hours) at temperatures up to400°F (204°C) and for intermittent longer periods (days, weeks) up to 300°F (149°C).

Lower Temperature Service Limit: The glass transition temperature for 3M[™] High Performance Acrylic Adhesive 200MP is -31°F (-35°C). Many applications survive below this temperature (factors affecting successful applications include: materials being bonded, dwell at room temperature before cold exposure, and stress below the glas transition temperature [i.e. expansion/contraction stresses, impact]). Optimum conditions are: bonding high surface energy materials, longer time at room temperature before cold exposure, and little or no stress below the glass transition temperature. The lowest service temperature is -40°F (-40°C).

Electrical and Thermal Properties

Temperature: 43 °C (109 °F)

Attribute Name	Test Method	Value
Thermal Conductivity	ASTM C518	0,158 W/m/K ¹

 $^{^{\}scriptscriptstyle 1}$ results listed are at 43 °C (109° F)

Attribute Name	Test Method	Temperature	Test Condition	Value
Dielectric Constant	ASTM D150	23 °C (73 °F)	1 KHz	3.69
Dissipation Factor				0,0241
Dielectric Strength	ASTM D149		500 vac, rms[60	1.35
			hz/sec]	1.55
Insulation Resistance	Mil-I-46058C		test voltage = 100	>1.72 x 10 ¹³ Ω
			VDC	
Breakdown Voltage				2,200 V

Handling/Application Information

Application Examples

- Long term bonding of graphic nameplates and overlays ("subsurface" printed polycarbonate or polyester) to metal and high surface energy plastics in the aerospace, medical and industrial equipment, automotive, appliance and electronics markets.
- Bonding metal nameplates and rating plates in the aerospace, medical and industrial equipment, automotive, appliance and electronics markets.
- Bonding graphic overlays for membrane switches and for bonding the complete switch to the equipment surface.
- The adhesives bonding characteristics enable high speed processing of parts in the medical, telecommunications and electronics markets (medical components, durable labels, and flexible circuits).
- Bonding in lamination processes to industrial foams for rotary die-cutting of small gaskets for industrial and electronics markets.

Application Techniques

For maximum bond strength (during installation of the final part) the surface should be thoroughly cleaned and dried. Typical cleaning solvents are heptane (for oily surfaces) or isopropyl alcohol for plastics. Use reagent grade solvents since common household materials like rubbing alcohol frequently contain oils to minimize the drying affect on skin and can interfere with the performance of a pressure-sensitive adhesive.

*Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents. These cleaning recommendations may not be in compliance with the rules of certain air quality management districts in California; consult applicable rules before use.

It is necessary to provide pressure during lamination (1.5-20 psi recommended) and during final part installation (10-15 psi) to allow the adhesive to come into direct contact with the substrate. Using a hard edged plastic tool, which is the full width of the laminated part, helps to provide the necessary pressure at the point of lamination. Heat can increase bond strength when bonding to metal parts (generally this same increase is observed at room temperature over longer times, weeks). For plastic parts, the bond strength is not enhanced with the addition of heat.

The ideal adhesive application temperature range is 60°F (15.6°C) to 100°F (38°C). Application is not recommended if the surface temperature is below 50°F (10°C) because the adhesive becomes too firm to adhere readily. Once properly applied, at the recommended application temperature, low temperature holding is generally satisfactory (please refer to the Typical Performance Characteristics section).

When bonding a thin, smooth, flexible material to a smooth surface, it is generally acceptable to use 2 mils of $3M^{\text{TM}}$ Adhesive 200MP. If a texture is visible on one or both surfaces, the 5 mil 3M adhesive 200MP would be suggested. If both materials are rigid, it may be necessary to use a thicker adhesive to successfully bond the components. $3M^{\text{TM}}$ VHBTM Acrylic Foam Tapes may be required (please refer to the data page 70-0709-3830-6).

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.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Product Family

This product is a part of the the 200MP Transfer Tape Family which includes: 3M™ Adhesive Transfer Tape Double Linered 7952MP, 3M™ Adhesive Transfer Tape Double Linered 7955MP, 3M™ Adhesive Transfer Tape Double Linered 7962MP, 3M™ Adhesive Transfer Tape Double Linered 7965MP, 3M™ Adhesive Transfer Tape 467MC, 3M™ Adhesive Transfer Tape 467MP, 3M™ Adhesive Transfer Tape 468MC, 3M™ Adhesive Transfer Tape 468MP, 3M™ Adhesive Transfer Tape 468MP, 3M™ Adhesive Transfer Tape 468MPF

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.

UL: These products have been recognized by Underwriters Laboratories, Inc. under Standard UL 969, Marking and Labeling Systems Materials Component. For more information on the UL Certification, please visit the website at

http://www.3M.com/converter, select UL Recognized Materials, then select the specific product area.

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Information

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Intended Use: This product is intended for bonding of materials specified and described in its Technical Data Sheet, when used in accordance with the guidance provided by 3M in such Technical Data Sheet and other product instructions. Since there are many factors that can affect a product's use, the customer remains responsible for determining whether the 3M product is suitable and appropriate for the customer's specific application and system, including customer conducting an appropriate risk assessment and evaluating the 3M product in customer's application and system.

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ISO Statement

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