



# 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

Attribute Name	Test Method	Test Condition	Value
Adhesive Carrier			PET (Polyester)
Adhesive Thickness		Faceside	0.094 mm (3.7 mil) <sup>1</sup>
Carrier Thickness			0.012 mm (0.5 mil)
Adhesive Thickness		Backside	0.094 mm (3.7 mil) <sup>2</sup>
Total Tape Thickness	ASTM D3652		0.2 mm (7.9 mil)
Liner			58# Glassine
Liner Thickness			0.08 mm (3.2 mil)

<sup>1</sup> Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

<sup>2</sup> Backside adhesive is on the exterior of the roll, exposed when liner is removed.

### Typical Performance Characteristics

#### 90° Peel Adhesion

Temperature: 23 °C (73 °F)

Dwell Time: 72 h

Backing: 2 mil Aluminum Foil

Test Method: ASTM D3330

Substrate	Value
ABS	14.8 N/cm (135 oz/in) <sup>1</sup>
Glass	16.7 N/cm (153 oz/in) <sup>1</sup>
High Density Polyethylene (HDPE)	6 N/cm (55 oz/in) <sup>1</sup>
Polycarbonate (PC)	18.2 N/cm (166 oz/in) <sup>1</sup>
Stainless Steel	17.4 N/cm (159 oz/in) <sup>1</sup>

<sup>1</sup> 304 mm/min (12 in/min)

#### Static Shear

Temperature	Test Condition	Value
23 °C (73 °F)	1000 g	10,000 min <sup>1</sup>
70 °C (158 °F)	500 g	10,000 min <sup>1</sup>

<sup>1</sup> 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

## **Typical Environmental Characteristics**

### **Environmental Resistance**

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).

## **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

## **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.

## **Available Sizes**

<b>Attribute Name</b>	<b>Value</b>
Master Width	1220 mm (50 m) (48 in) (55 yd) <sup>1</sup>

<sup>1</sup> More sizes may be available. Please talk to your local 3M representative for more information.

## **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

**MSDS:**3M has not prepared a MSDS for this product which is not subjected to the MSDS 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 UI 746C and UL 969. 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.

**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, USCPSP, California Proposition 65, READY and RoHS, can be found at [3M.com/regs](http://3M.com/regs).

## **Automotive Disclaimer**

### **Select Automotive Applications:**

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

## **Information**

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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